

**IN THE UNITED STATES DISTRICT COURT
OF THE EASTERN DISTRICT OF TEXAS
TYLER DIVISION**

ADAPTIX, INC,

v.

ALCATEL-LUCENT USA, INC., ET AL.

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**CASE NO. 6:12-cv-22
CONSOLIDATED CASE**

ORDER

On August 11, 2015 and August 12, 2015 a preliminary pretrial conference was held. The Court, having considered the arguments of counsel, made preliminary rulings on the admissibility of exhibits. Preliminary rulings to the admissibility of Plaintiff's exhibits are attached as Exhibit A. Preliminary rulings to the admissibility of Defendants' exhibits are attached as Exhibit B. Accordingly, it is **ORDERED** that the parties' objections to exhibits are resolved as indicated in the attached exhibits.

Furthermore, at the pretrial conference the parties indicated that they are dropping all remaining objections to the deposition designations, except the parties agreed that they will not introduce non-admitted exhibits through deposition testimony nor will they introduce testimony contrary to the motions *in limine*. Plaintiff indicated that both Dr. Hui Liu and Mr. Curtis Dodd will be present for live testimony at trial. The Plaintiff is **ORDERED** to accept trial subpoenas for Dr. Liu and Mr. Dodd. Defendants are **ORDERED** to make any physical exhibits, they intend to rely on at trial, available for inspection at least three business days prior to use at trial and any objections to the physical exhibits are to be resolved by Magistrate Judge Craven.

Plaintiff indicated that it does not intend to present claims with respect to U.S. Patent Number 7,146,172 (the '172 patent) at trial, and that it is narrowing its claims for trial to claim 1, 2, and 4 of U.S. Patent Number 6,870,808 and to claims 92, 99, and 101 of U.S. Patent Number

6,904,283. The parties are **ORDERED** to submit a stipulation of dismissal for the '172 patent by Thursday, August 20, 2015, or to indicate why a stipulation could not be reached. The Defendants are **ORDERED** to disclose to Adaptix a narrowed list of prior art references by Friday, August 21, 2015.

SIGNED this 24th day of August, 2015.


CAROLINE M. CRAVEN
UNITED STATES MAGISTRATE JUDGE

EXHIBIT A

Defendants' Objections to Adaptix Sixth Amended Trial Exhibit List

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1.		U.S. Patent 6,870,808	ADAP-550-564	None								
2.		U.S. Patent 6,904,283		None								
3.		U.S. Patent 7,146,172	ADAP-239-256	None								
4.		File History of U.S. Patent 6,870,808	ADAP-565-1169	None								
5.		File History of U.S. Patent 6,904,283		None								
6.		File History of U.S. Patent 7,146,172	ADAP-257-549	None								
7.		Certified copy of U.S. Patent 6,870,808		None								
8.		Certified copy of U.S. Patent 6,904,283		None								
9.		Certified copy of U.S. Patent 7,146,172		None								

¹ When a single production number is provided, it may represent a multiple page document such as a spreadsheet, the first page of a document, or a specific page within a multiple page document. In each of these cases, the entire document is being identified and the entire production range from beginning to end for that document is included.

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10.		Certified copy of File History of U.S. Patent 6,870,808		None								
11.		Certified copy of File History of U.S. Patent 6,904,283		None								
12.		Certified copy of File History of U.S. Patent 7,146,172		None								
13.		Assignment No. 1 '808 patent Broadstorm to Silicon Valley Bank	ADAP-AH-8-15	None								
14.		Assignment No. 2 '808 patent Broadstorm to Comdisco, Inc.	ADAP-AH-1-7	None								
15.		Assignment No. 3 '808 patent Inventors to Broadstorm	ADAP-AH-16-20	None								
16.		Assignment No. 4 '808 patent SDR HOLDINGS, LLC to Kaon Systems, Inc. Systems	ADAP-AH-36-41	None								

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17.		Assignment No. 5 '808 patent Kaon Systems, Inc. Systems to Adaptix, Inc.	ADAP-AH-42-69	None								
18.		Assignment No. 6 '808 patent Broadstorm to J&K Services, LLC	ADAP-AH-168-176	None								
19.		Assignment No. 7 '808 patent SDR Holdings, LLC to Kaon Systems, Inc. Systems	ADAP-AH-177-185	None								
20.		Assignment No. 8 '808 patent J&K Services to SDR Holdings, LLC	ADAP-AH-99-107	None								
21.		Assignment No. 9 '808 patent Adaptix, Inc. to Baker Communications	ADAP-AH-108-120	None								
22.		Assignment No. 10 '808 patent Baker Communications to Adaptix, Inc.	ADAP-AH-121-136	None								
23.		Assignment No. 1 '283 patent Inventors to Broadstorm	ADAP-AH-21-24	None								

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24.		Assignment No. 2 '283 patent Broadstorm to Silicon Valley Bank	ADAP-AH-25-31	None								
25.		Assignment No. 3 '283 patent SDR Holdings, LLC to Kaon Systems, Inc.	ADAP-AH-36-41	None								
26.		Assignment No. 4 '283 patent Kaon Systems, Inc. to Adaptix, Inc.	ADAP-AH-42-69	None								
27.		Assignment No. 5 '283 patent Broadstorm to J&K services, Inc.	ADAP-AH-168-176	None								
28.		Assignment No. 6 '283 patent SDR Holdings, LLC holding to Kaon Systems, Inc. Systems	ADAP-AH-177-185	None								
29.		Assignment No. 7 '283 patent J&K Services to SDR Holdings, LLC	ADAP-AH-99-107	None								
30.		Assignment No. 8 '283 patent Adaptix, Inc. to Broadstorm	ADAP-AH-108-120	None								

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31.		Assignment No. 9 '283 patent Baker Communications to Adaptix, Inc.	ADAP-AH-121-136	None								
32.		Assignment No. 1 '172 patent Inventors to Broadstorm	ADAP-AH-151-154	None								
33.		Assignment No. 2 '172 patent Broadstorm to Silicon Valley Bank	ADAP-AH-25-31	None								
34.		Assignment No. 3 '172 patent SDR Holdings, LLC to Kaon Systems, Inc.	ADAP-AH-36-41	None								
35.		Assignment No. 4 '172 patent Kaon Systems, Inc. to Adaptix, Inc.	ADAP-AH-42-69	None								
36.		Assignment No. 5 '172 patent Broadstorm to J&K Services	ADAP-AH-168-176	None								
37.		Assignment No. 6 '172 patent SDR Holdings, LLC to Kaon Systems, Inc.	ADAP-AH-177-185	None								

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38.		Assignment No. 7 '172 patent J&K Services to SDR Holdings, LLC	AD-AP-AH-99-107	None								
39.		Assignment No. 8 '172 patent Adaptix, Inc. to Baker Communications	ADAP-AH-108-120	None								
40.		Assignment No. 9 '172 patent Baker Communications to Adaptix, Inc.	ADAP-AH-121-136	None								
41.		Certified Assignment No. 1 '808 patent Broadstorm to Silicon Valley Bank		None								
42.		Certified Assignment No. 2 '808 patent Broadstorm to Comdisco, Inc.		None								
43.		Certified Assignment No. 3 '808 patent Inventors to Broadstorm		None								
44.		Certified Assignment No. 4 '808 patent SDR HOLDINGS, LLC to Kaon Systems, Inc. Systems		None								

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45.		Certified Assignment No. 5 '808 patent Kaon Systems, Inc. Systems to Adaptix, Inc.		None								
46.		Certified Assignment No. 6 '808 patent Broadstorm to J&K Services, LLC		None								
47.		Certified Assignment No. 7 '808 patent SDR Holdings, LLC to Kaon Systems, Inc. Systems		None								
48.		Certified Assignment No. 8 '808 patent J&K Services to SDR Holdings, LLC		None								
49.		Certified Assignment No. 9 '808 patent Adaptix, Inc. to Baker Communications		None								
50.		Certified Assignment No. 10 '808 patent Baker Communications to Adaptix, Inc.		None								

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51.		Certified Assignment No. 1 '283 patent Inventors to Broadstorm		None								
52.		Certified Assignment No. 2 '283 patent Broadstorm to Silicon Valley Bank		None								
53.		Certified Assignment No. 3 '283 patent SDR Holdings, LLC to Kaon Systems, Inc.		None								
54.		Certified Assignment No. 4 '283 patent Kaon Systems, Inc. to Adaptix, Inc.		None								
55.		Certified Assignment No. 5 '283 patent Broadstorm to J&K services, Inc.		None								
56.		Certified Assignment No. 6 '283 patent SDR Holdings, LLC holding to Kaon Systems, Inc. Systems		None								

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57.		Certified Assignment No. 7 '283 patent J&K Services to SDR Holdings, LLC		None								
58.		Certified Assignment No. 8 '283 patent Adaptix, Inc. to Broadstorm		None								
59.		Certified Assignment No. 9 '283 patent Baker Communications to Adaptix, Inc.		None								
60.		Certified Assignment No. 1 '172 patent Inventors to Broadstorm		None								
61.		Certified Assignment No. 2 '172 patent Broadstorm to Silicon Valley Bank		None								
62.		Certified Assignment No. 3 '172 patent SDR Holdings, LLC to Kaon Systems, Inc.		None								

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63.		Certified Assignment No. 4 '172 patent Kaon Systems, Inc. to Adaptix, Inc.		None								
64.		Certified Assignment No. 5 '172 patent Broadstorm to J&K Services		None								
65.		Certified Assignment No. 6 '172 patent SDR Holdings, LLC to Kaon Systems, Inc.		None								
66.		Certified Assignment No. 7 '172 patent J&K Services to SDR Holdings, LLC		None								
67.		Certified Assignment No. 8 '172 patent Adaptix, Inc. to Baker Communications		None								
68.		Certified Assignment No. 9 '172 patent Baker Communications to Adaptix, Inc.		None								
69.		RESERVED	D1									

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70.		RESERVED	D1									
71.		RESERVED	D1									
72.		9100 Multistandard	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								
73.		9412 eNode Compact	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								
74.		9460 Pico (a/k/a 9426 Pico)	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								
75.		9926 Distributed	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								

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76.		9442 Remote Radio Head	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								
77.		lightRadio 9711 Indoor Base Station for LTE	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								
78.		lightRadio 9712 Outdoor Base station for LTE	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								
79.		9760 Small Cells	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								
80.		9764 Metro Cell Outdoor LTE	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								

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81.		9768 Metro Radio Outdoor	PHYSICAL EXHIBIT TO BE SUPPLIED BY DEFENDANTS AT TRIAL	None								
82.		RESERVED										
83.		Communication Overview	ALAD-00037737-85	None								
84.		Alcatel-Lucent LTE Channel Element bCEM Tier0 Architecture Document	ALAD-00038804-38925	None								
85.		LTE RRM DL Semi-Static and Semi-Persistent Scheduler 8/24/12	ALAD-48039-48155	None								
86.		Alcatel-Lucent; An Overview of LTE Downlink Schedule LTE Releases LA1.0 & LA1.1; by Stephane Cayla; LTE System Architecture	ALAD-00054307-54399	None								

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87.		Alcatel-Lucent; LTE OVERVIEW- Videotron; 10/19/10	ALAD-00054735- 54756	None								
88.		Bytel Workshop LTE Roadmap Overview by Alexandre Pavlovsky- 6/16/11	ALAD-00057687- 57722	None								
89.		Excel Spreadsheet:	ALAD- 00129026.xlsx	None								
90.		RESERVED										
91.		RESERVED										
92.		RESERVED										
93.		RESERVED										
94.		Interference Mitigation for Co-Channel Deployment of LTE Heterogeneous Networks; ATT RFI Response White Paper; July 2011; Version	AT&T0678413- 678428	None								
95.		RESERVED :										

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96.		AT&T Radiated Performance Requirements for CTIA-Accredited Test Labs (CATLs) Subscriber Product Engineering; 9/25/12	AT&T0759859-759876	None								
97.		AT&T Device Requirements; Revision 5.2; Revision date: 3/22/13	ATTM-00001494-2807	None								
98.		RESERVED										
99.		RESERVED										
100.		Email chain dated 6/3/13 re: 4 Tx – partial closure?	ATTM-00037460-37464	Exhibit is withdrawn but can be used for cross								
101.		RESERVED										
102.		Email chain dated 8/15/13 re: LTE Leadership report	ATTM-00037712-37720	None								

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103.		Email chain dated 9/13/12 re: Laurie's Staff call 9/11 Notes and AI's	ATTM-00133895-133898	None								
104.		RESERVED										
105.		RESERVED										
106.		RESERVED										
107.		Email chain dated 5/28/13 re: the market for the MIMO testing	ATTM-00037434-37439	None								
108.		9400 LTE RAN Radio Principles, Parameters, Algorithms, and QoS Monitoring Description; Student guide; Alcatel-Lucent University	ATT_019_0068526-69138	None								
109.		3GPP TS 36.101		None								
110.		3GPP TS 36.211		None								
111.		3GPP TS 36.212		None								
112.		3GPP TS 36.213		None								

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113.		3GPP TS 36.300		None								
114.		3GPP TS 36.321		None								
115.		3GPP TS 36.331		None								
116.		3GPP TR 25.913		None								
117.		Alcatel-Lucent LTE Scheduler Capability, MAC_DRX, TTI-Bundling and User Capacity; March, 2012	VZW_0073463-87	None								
118.		Excel Spreadsheet	VZW_0858135.xlsx	I, UP	Overruled							
119.		RESERVED										
120.		RESERVED										
121.		Alcatel-Lucent QoS in RF Scheduler by Yang Yang; 12/17/10 – Verizon Wireless, Walnut Creek	VZW_0092112-92147	None								

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122.		Alcatel-Lucent LTE Het Net Deployment considerations and Feature Requirements/Roadmap; 6/17/10	VZW_0011934-11948	None								
123.		RESERVED										
124.		RESERVED										
125.		Excel Spreadsheet	VZW_0072104.xls	None								
126.		4G Leapfrog Alcatel-Lucent Design (Analysis); 12/14/09	SSLP_0000062-329	None								
127.		Amendment No. 1 to Master Purchase Agreement for Technical Products and Related Services; 10/29/08 between Sprint/United management Company and Alcatel-Lucent	SSLP_0001126-1207	None								

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128.		Sprint LTE 1.5 (ALU LE5) Detailed Reference Design (DRD); 8/2/06	SSLP_0000974-1051	None								
129.		RESERVED										
130.		Spring Feature Requirements Document for QChat over LTE Phase 11 by Liang Li; 6/26/13 Version: 1.2	SSLP_0010085-10104	I, UP	Sustained							
131.		Features for Sprint LTE 3.0 Analysis Phase 4G LTE Systems Development; 7/23/13	SSLP_0010564-10705	None								
132.		4G/LTE RELEASE MANAGEMENT; Agenda and ALU Presentation; 10/25/12	SSLP_0000001-41	None								
133.		SPRINT's ALU Exhaust Analysis by Market	SSLP_0000061	None								
134.		RESERVED										
135.		RESERVED										
136.		RESERVED										

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137.		Excel Spreadsheet:	AT&T0668556.xlsx	None								
138.		AT&T LTE Priority Handling – Network QoS; Template Version: 2.1	AT&T0417673-417849	None								
139.		RESERVED										
140.		AT&T Volume 11 Field Guide for LTE ALU LA3.0 Parameters and Best Practices; 3/23/12	ATT_019_0049231-49365	None								
141.		AT&T Volume 11 Field Guide for LTE Ericsson L11B Parameters and Best Practices; 3/9/12	ATT_019_0051726-51835	I, UP	Overruled							
142.		AT&T Benefits of LTE – April 5, 2011	ATT_1196430-ATT_1196438	None								
143.		AT&T Spectral Efficiency – August 9, 2011	ATT_1196477-ATT_1196479	None								
144.		Long Term Evolution (LTE”) Product Supplement Agreement	ATT_1222_1502717-ATT_1222_1502732	None								
145.		eNodeB Hardware Pricing	ATT_1222_1503013-3023	None								

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146.		LTE Scheduler Overview; (Alcatel-Lucent)	ALAD-01422301-46	None								
147.		Alcatel-Lucent LA2.0 Compliance to 3GPP TS 36.213; 1/27/10	ALAD-01389266-75	None								
148.		Alcatel-Lucent LA2.0 Compliance to 3GPP TS 36.212; 1/27/10	ALAD-01389126-35	None								
149.		Alcatel-Lucent LA2.0 Compliance to 3GPP TS 36.211; 1/27/10	ALAD-01389115-25	None								
150.		3GPP Long-Term Evolution / System Architecture Evolution, 2006, p. 15	ATT_0966239-268	None								

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
151.		Basukala et al., Impact of CQI Feedback Rate/Delay on Scheduling Video Streaming Services in LTE Downlink,” Communication Technology (ICCT), 2010 12th IEEE International Conference, Nov. 11-14, 2010, pp. 1349 –52 at 1349.		None								
152.		Dahlman et. al., 4G LTE/LTE-Advanced for Mobile Broadband, 2nd Ed, p. 342).		None								
153.		http://www.3gpp.org/technologies/keywords-acronyms/98-lte		None								
154.		http://www.alcatel-lucent.com/products/lightdiotm-9712-outdoor-base-stations		None								

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
155.		http://www2.alcatel-lucent.com/techzine/lte-the-best-thing-to-happen-to-wireless-networks/ ,		None								
156.		J. Kemeny, Introduction to Finite Mathematics, pp.152-223, 3rd ed., 1974		U, HS, I, UP, INC	Parties agree experts may rely upon; not to be admitted							
157.		RESERVED										
158.		SOURCE CODE	ALAD_SC00001-475	None								
159.		RESERVED										
160.		RESERVED										
161.		RESERVED										
162.		An Introduction to LTE. Christopher Cox. Wiley. ISBN 978-1-119-97038-5.		U, HS, I, UP, INC	Can be used on cross; not to be admitted							

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
163.		ETSI TS 136 211 V8.9.0 (2010-01) LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation (3GPP TS 36.211 version 8.9.0 Release 8) available for download at http://www.etsi.org/deliver/etsits/136200136299/136211/08.09.0060/ts136211v080900_p.pdf		None								

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164.		ETSI TS 136 212 V8.8.0 (2010-01) LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 8.8.0 Release 8) available for download at http://www.etsi.org/deliver/etsits/136200136299/136212/08.08.0060/ts136212v080800_p.pdf		None								

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165.		ETSI TS 136 331 V8.20.0(2013-07) LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 8.20.0 Release 8), available for download at http://www.etsi.org/deliver/etsits/136300136399/136331/08.20.0060/ts136331v082000p.pdf		None								
166.		RESERVED										
167.		RESERVED										
168.		RESERVED										
169.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
170.		Long Term Evolution IN BULLETS. 2 nd Edition. Chris Johnson.		None								
171.		Radio Protocols for LTE and LTE-Advanced. SeungJune Yi et al. Wiley. ISBN 978-1-118- 18853-8.		U, HS, I, UP, INC	Can be used on cross; not to be admitted							
172.		Alcatel Lucent Interference Mitigation in LTE Heterogeneous Networks	SSLP_0011799- 11822	None								
173.		RESERVED										
174.		RESERVED										
175.		RESERVED										
176.		RESERVED										
177.		RESERVED										
178.		RESERVED										
179.		RESERVED										
180.		RESERVED										

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181.		RESERVED										
182.		RESERVED										
183.		RESERVED										
184.		RESERVED										
185.		Ericsson Research, LTE Frequency Selective Scheduling Performance and Improvements Assessed by Measurements, 2011 IEEE 22nd International Symposium on Personal, Indoor and Mobile Radio Communications	ADAP_EXP_22_GR EEN_2815- ADAP_EXP_22_GR EEN_2819	None								
186.		RESERVED										
187.		RESERVED										
188.		RESERVED										
189.		RESERVED										
190.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
191.		RESERVED										
192.		RESERVED										
193.		RESERVED										
194.		RESERVED										
195.		RESERVED										
196.		Declaration of William H. Stone, December 16, 2011	ADAP_EXP_22_GR EEN_3017- ADAP_EXP_22_GR EEN_3029	None								
197.		RESERVED										
198.		RESERVED										
199.		RESERVED										
200.		RESERVED										
201.		RESERVED										
202.		RESERVED										
203.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
204.		Alcatel-Lucent, 9100 Multi-Standard Base Station; http://www.alcatel-lucent.com/products/9100-multi-standard-base-station	ADAP_EXP_22_GR EEN_3164- ADAP_EXP_22_GR EEN_3165	None								
205.		Alcatel-Lucent, 9412 eNodeB Compact; http://www.alcatel-lucent.com/products/9412-enodeb-compact	ADAP_EXP_22_GR EEN_3166- ADAP_EXP_22_GR EEN_3167	None								
206.		Alcatel-Lucent, 9760 Small Cells; http://www.alcatel-lucent.com/products/9760-small-cells	ADAP_EXP_22_GR EEN_3168- ADAP_EXP_22_GR EEN_3169	None								
207.		RESERVED										
208.		RESERVED										
209.		RESERVED										
210.		RESERVED										
211.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
212.		RESERVED										
213.		RESERVED										
214.		RESERVED										
215.		RESERVED										
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219.		RESERVED										
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221.		RESERVED										
222.		RESERVED										
223.		RESERVED										
224.		RESERVED										
225.		RESERVED										
226.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
227.		RESERVED										
228.		RESERVED										
229.		RESERVED										
230.		RESERVED										
231.		RESERVED										
232.		RESERVED										
233.		RESERVED										
234.		RESERVED										
235.		RESERVED										
236.		RESERVED										
237.		RESERVED										
238.		RESERVED										
239.		RESERVED										
240.		RESERVED										
241.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
242.		RESERVED										
243.		RESERVED										
244.		RESERVED										
245.		RESERVED										
246.		RESERVED										
247.		RESERVED										
248.		RESERVED										
249.		RESERVED										
250.		RESERVED										
251.		RESERVED										
252.		RESERVED										
253.		RESERVED										
254.		Alcatel-Lucent, 2013 Insights: Real Proof that 4G Speed Brings Consumers, Content and Cash, January 14, 2014	ADAP_EXP_22_GR EEN_3785- ADAP_EXP_22_GR EEN_3788	None								

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
255.		RESERVED										
256.		RESERVED										
257.		RESERVED										
258.		RESERVED										
259.		RESERVED										
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263.		RESERVED										
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265.		RESERVED										
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267.		RESERVED										
268.		RESERVED										
269.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
270.		RESERVED										
271.		RESERVED										
272.		RESERVED										
273.		Confidential Patent Purchase Agreement between Microsoft Corporation and Adaptix, Inc.	MS_ADAPTIX001705 – MS-ADAPTIX001735	None								
274.		License Agreement between Samsung Electronics and Adaptix, November 15, 2011	ADAP-00243781-ADAP-00243817	None								
275.		License Agreement between Microsoft and Acacia, November 21, 2011	ADAP-00255485-ADAP-00255521	None								
276.		Montgomery & Co., LLC, Adaptix, Inc. Company Overview	ADAP-08352342-ADAP-08352353	None								
277.		Patent License Agreement between Nokia Siemens Networks and Adaptix, December 21, 2012	ADAP-190222-A-ADAP-190271-A	None								

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
278.		Letter between Samsung and Adaptix Regarding Amendment to Addendum A to Confidential Licensing Agreement	ADAP-8836807-ADAP-8836813	None								
279.		Settlement and License Agreement between Adaptix, Google and Motorola, March 13, 2014	ADAP-MOTO-01-ADAP-MOTO-24	None								
280.		RESERVED										
281.		RESERVED										
282.		RESERVED										
283.		RESERVED										
284.		RESERVED										
285.		RESERVED										
286.		RESERVED										
287.		RESERVED										
288.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
289.		RESERVED										
290.		RESERVED										
291.		RESERVED										
292.		RESERVED										
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300.		RESERVED										
301.		RESERVED										
302.		RESERVED										
303.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
304.		RESERVED										
305.		RESERVED										
306.		RESERVED										
307.		RESERVED										
308.		RESERVED										
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312.		RESERVED										
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314.		RESERVED										
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316.		RESERVED										
317.		RESERVED										
318.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
319.		RESERVED										
320.		RESERVED										
321.		RESERVED										
322.		RESERVED										
323.		RESERVED										
324.		RESERVED										
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326.		RESERVED										
327.		RESERVED										
328.		RESERVED										
329.		RESERVED										
330.		RESERVED										
331.		Alcatel-Lucent 1Q'10 Invoice Details and QTY Invoiced	ALAD-00577290	None								
332.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
333.		RESERVED										
334.		RESERVED										
335.		RESERVED										
336.		RESERVED										
337.		RESERVED										
338.		RESERVED										
339.		RESERVED										
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341.		RESERVED										
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343.		RESERVED										
344.		RESERVED										
345.		RESERVED										
346.		RESERVED										
347.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
348.		RESERVED										
349.		Throughput Performance Cases	ALAD-00991737	None								
350.		RESERVED										
351.		Alcatel-Lucent Presentation on Downlink Performances SIMO/MIMO	ALAD-01036112- ALAD-01036120	None								
352.		RESERVED										
353.		RESERVED										
354.		RESERVED										
355.		RESERVED										
356.		RESERVED										
357.		RESERVED										
358.		RESERVED										
359.		RESERVED										
360.		RESERVED										
361.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
362.		RESERVED										
363.		RESERVED										
364.		Alcatel-Lucent White Paper on Voice and Data Throughput Capacity Summary of Wireless Mobile Systems, March 2010	ALAD-02094262- ALAD-02094275	None								
365.		Alcatel-Lucent Master Price List for Macro Cells, June 2014	ALAD-02094473	None								
366.		RESERVED										
367.		RESERVED										
368.		RESERVED										
369.		RESERVED										
370.		RESERVED										
371.		Alcatel-Lucent, LTE FDD Scheduler, July 2011	AT&T0966934- AT&T0966961	None								
372.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
373.		RESERVED										
374.		RESERVED										
375.		Alcatel-Lucent, Scheduling Tests & Analysis, Kansas FFA, November 2011	ATT_1196439- ATT_1196463	None								
376.		RESERVED										
377.		RESERVED										
378.		RESERVED										
379.		RESERVED										
380.		RESERVED										
381.		RESERVED										
382.		RESERVED										
383.		RESERVED										
384.		RESERVED										
385.		RESERVED										
386.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
387.		RESERVED										
388.		Patent Purchase Agreement between Nokia Siemens Networks B.V. and Acacia Research Group	(Dodd 6-26-14 Deposition Ex. 67)	None								
389.		Supplemental Declaration of William H. Stone, Redacted – For Public Inspection, 5/17/12		Withdrawn								
390.		Settlement and Patent License Agreement between Adaptix, Inc. and Huawei Technologies, Co. LTD.	ADAP-08987725-ADAP-08987781	None								
391.		Settlement and Patent License Agreement between Adaptix, Inc. and NEC Corporation	ADAP-08987782-ADAP-08987799	None								
392.		Patent License Agreement between Adaptix, Inc. and Sharp Corporation	ADAP-08987800-ADAP-08987816	None								

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393.		Settlement and Patent License Agreement between Adaptix, Inc. and ASUS Computer Inc. and ASUS Computer International	ADAP-09897856-ADAP-09897870	None								
394.		RESERVED										
395.		License and Settlement Agreement between Acacia Research Group LLC and Blackberry Limited	ADAP-09897818-ADAP-09897855	None								
396.		RESERVED										
397.		Alcatel-Lucent DL PRB Uses	ATT3_00008322	None								
398.		Wideband and Subband CQI Reports by Month	ATT4_0002206 ATTM-00573910	Withdrawn								
399.		RESERVED										
400.		RESERVED										
401.		RESERVED										
402.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
403.		Volume in KB by Make	ATTM-00573951		Exhibit is withdrawn but can be used for cross							
404.		UMTS Data by Base Station by Month and Year	ATTM-00573952		Exhibit is withdrawn but can be used for cross							
405.		LTE Data by Base Station	ATTM-00576034		Exhibit is withdrawn but can be used for cross							
406.		ETSI TS 136 213 V9.3.0 (2010-10) LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures (3GPP TS 36.213 version 9.3.0 Release 9), available for download at http://www.etsi.org/deliver/etsits/136200136299/136213/09.03.0060/		None								

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407.		RESERVED										
408.		RESERVED										
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417.		RESERVED										
418.		RESERVED										
419.		RESERVED										
420.		RESERVED										
421.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
422.		RESERVED										
423.		4G Americas, The Path to 4G: LTE and LTE-Advanced, October 2010	ADAP_EXP_122_G REEN_2420-ADAP_EXP_122_G REEN_2434	None								
424.		RESERVED										
425.		RESERVED										
426.		RESERVED										
427.		RESERVED										
428.		RESERVED										
429.		RESERVED										
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431.		RESERVED										
432.		RESERVED										
433.		RESERVED										
434.		RESERVED										
435.		RESERVED										

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436.		RESERVED										
437.		RESERVED										
438.		RESERVED										
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447.		RESERVED										
448.		RESERVED										
449.		RESERVED										
450.		RESERVED										

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451.		RESERVED										
452.		RESERVED										
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461.		RESERVED										
462.		RESERVED										
463.		RESERVED										
464.		RESERVED										
465.		RESERVED										

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466.		RESERVED										
467.		RESERVED										
468.		RESERVED										
469.		RESERVED										
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471.		RESERVED										
472.		RESERVED										
473.		RESERVED										
474.		RESERVED										
475.		RESERVED										
476.		RESERVED										
477.		RESERVED										
478.		RESERVED										
479.		RESERVED										
480.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
481.		RESERVED										
482.		RESERVED										
483.		RESERVED										
484.		RESERVED										
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495.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
496.		RESERVED										
497.		RESERVED										
498.		RESERVED										
499.		RESERVED										
500.		RESERVED										
501.		RESERVED										
502.		RESERVED										
503.		Alcatel-Lucent Opportunity Tracking Spreadsheet	ALAD-01179600	None								
504.		RESERVED										
505.		Alcatel-Lucent Detailed Technical Report on LTE Phase 4 Trial, May 7, 2010	VZW_0040580- VZW_0040695	I, UP	Overruled							
506.		Alcatel-Lucent Presentation on Fundamentals of 3GPP Long Term Evolution	VZW_0066422- VZW_0066584	None								

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507.		RESERVED										
508.		Alcatel-Lucent, LTE Dimensioning Guidelines- Outdoor Link Budget, April 2010	VZW_0069348- VZW_0069402		Exhibit is withdrawn but can be used for cross							
509.		Alcatel-Lucent, LTE Outdoor RF Design Guidelines, July 16, 2010	VZW_0070298- VZW_0070351	I, UP	Overruled							
510.		RESERVED										
511.		RESERVED										
512.		Verizon-4G Development, June 27, 2007	VZW_0087741- VZW_0087761	None								
513.		Alcatel-Lucent Presentation on Simulated Performance Impact: LA3.0 Best Effort Thruput Predictions, VoIP, Video with and without QoS, December 17, 2010	VZW_0092024- VZW_0092088	None								

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514.		RESERVED										
515.		Verizon Presentation on 4G (Next Generation Network) by Bill Stone, June 7, 2007	VZW_0307955- VZW_0307989	None								
516.		RESERVED										
517.		RESERVED										
518.		Verizon, OFDMA Access Technology, February 10, 2006	VZW_0313507- VZW_0313522	None								
519.		RESERVED										
520.		Alcatel-Lucent End User Engagement Team, 4th Generation Networks Defined, Direction and Opportunities	VZW_0320876- VZW_0320912	I, UP	Overruled							
521.		RESERVED										
522.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
523.		Verizon Product Development Data Analysis Monthly Report, September 2011	VZW_0337891-VZW_0337938	None								
524.		RESERVED										
525.		RESERVED										
526.		RESERVED										
527.		RESERVED										
528.		RESERVED										
529.		RESERVED										
530.		RESERVED										
531.		RESERVED										
532.		RESERVED										
533.		RESERVED										
534.		RESERVED										
535.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
536.		RESERVED										
537.		RESERVED										
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550.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
551.		RESERVED										
552.		RESERVED										
553.		RESERVED										
554.		RESERVED										
555.		RESERVED										
556.		RESERVED										
557.		RESERVED										
558.		RESERVED										
559.		RESERVED										
560.		RESERVED										
561.		Verizon Wireless' Objections and Responses to Adaptix's Third Set of Common Interrogatories, June 30, 2014		None								

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
562.		3G Evolution: HSPA and LTE for Mobile Broadband, E. Dahlman, S. Parkvall, J. Skold and P. Beming, Elsevier, 2nd Edition, 2008	ERIC-01330012-1330657	None								
563.		RESERVED										
564.		RESERVED										
565.		RESERVED										
566.		RESERVED										
567.		RESERVED										
568.		RESERVED										
569.		RESERVED										
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572.		RESERVED										
573.		RESERVED										

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574.		RESERVED										
575.		RESERVED										
576.		RESERVED										
577.		RESERVED										
578.		RESERVED										
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Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
589.		RESERVED										
590.		RESERVED										
591.		RESERVED										
592.		Alcatel-Lucent, 9926 Digital 2U eNodeB; http://www.lucent.com/wps/DocumentStreamerServlet?LMSG_CABINET=Docs_and_Resource_Ctr&LMSG_CONTENT_FILE=Data_Sheets/Alcatel-Lucent_9926_Digital_2U_eNode_B_product_d atasheet.pdf	ADAP_EXP_123_GREEN_3095-ADAP_EXP_123_GREEN_3096	None								
593.		RESERVED										
594.		RESERVED										
595.		RESERVED										
596.		RESERVED										
597.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
598.		RESERVED										
599.		RESERVED										
600.		RESERVED										
601.		RESERVED										
602.		RESERVED										
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608.		RESERVED										
609.		RESERVED										
610.		RESERVED										
611.		RESERVED										
612.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
613.		RESERVED										
614.		RESERVED										
615.		RESERVED										
616.		RESERVED										
617.		RESERVED										
618.		RESERVED										
619.		RESERVED										
620.		RESERVED										
621.		RESERVED										
622.		RESERVED										
623.		RESERVED										
624.		RESERVED										
625.		RESERVED										
626.		RESERVED										
627.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
628.		RESERVED										
629.		RESERVED										
630.		RESERVED										
631.		RESERVED										
632.		RESERVED										
633.		RESERVED										
634.		RESERVED										
635.		RESERVED										
636.		RESERVED										
637.		RESERVED										
638.		RESERVED										
639.		RESERVED										
640.		RESERVED										
641.		RESERVED										
642.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
643.		RESERVED										
644.		RESERVED										
645.		RESERVED										
646.		RESERVED										
647.		RESERVED										
648.		RESERVED										
649.		RESERVED										
650.		RESERVED										
651.		RESERVED										
652.		RESERVED										
653.		Alcatel-Lucent, LTE FDD Scheduler, November 2009	ALAD-00697014- ALAD-00697052	None								
654.		Alcatel-Lucent, LTE Dimensioning Guidelines-Outdoor Link Budget, September 2010	ALAD-01290606- 665	None								

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
655.		lightRadio Metro- Enterprise Cell Indoor, April 30, 2012	SSLP_0000052- SSLP_0000058	None								
656.		RESERVED										
657.		Alcatel-Lucent Long Term Evolution End-to- End Solution, July 2013	SSLP_0007776- SSLP_0008551	None								
658.		RESERVED										
659.		RESERVED										
660.		Sprint Network Vision Roadmap, RAN Release Packaging, June 1, 2014	SSLP_017035- SSLP_017074	None								
661.		Sprint Press Release, Sprint Continues Nationwide 4G LTE Expansion, August 29, 2012	SSLP_018679- SSLP_018680	None								

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662.		Sprint Press Release, Sprint Accelerates Progress on America's Newest Network, Delivering Faster 4G LTE Speeds to 225 Million People and 41 New Cities, April 29, 2014	SSLP_018698- SSLP_018699	None								
663.		RESERVED										
664.		Sprint Press Release, Sprint Expands 4G LTE Service and Delivers an Improved 3G Experience to Customers in Puerto Rico, January 28, 2013	SSLP_018799- SSLP_018800	None								
665.		Sprint Press Release, Sprint 4G LTE Network Sails into Boston, January 28, 2013	SSLP_018801- SSLP_018802	None								
666.		RESERVED										
667.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
668.		RESERVED										
669.		RESERVED										
670.		RESERVED										
671.		RESERVED										
672.		RESERVED										
673.		RESERVED										
674.		RESERVED										
675.		RESERVED										
676.		Spreadsheet: Plane Name: 2.5 GHz- Upgrade -Network Vision (ALU)	SSLP_023615	None								
677.		RESERVED										
678.		Wireless Communications: Principles and Practice (1996) by Theodore Rappaport		None								

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679.		ETSI TR 101 146 version 3.0.0 (ETSI UTRA Concept Evaluation")	INV_00006482-7170	None								
680.		ETSI/TC SMG(97)5		None								
681.		ETSI/TC SMG(98)1		None								
682.		RESERVED										
683.		RESERVED										
684.		RESERVED										
685.		RESERVED										
686.		RESERVED										
687.		Defendant Alacatel- Lucent USA, Inc.'s First Supplemental Responses to Plaintiff Adaptix, Inc.'s Second Set of Common Interrogatories (Nos. 11-15).		INC, I, UP, BE	Substitute Exhibit							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
688.		RESERVED										
689.		RESERVED										
690.		Cost Efficiency Infographic for Alcatel- Lucent										
691.		RESERVED										
692.		RESERVED										
693.		RESERVED										
694.		RESERVED										
695.		RESERVED										
696.		RESERVED										
697.		RESERVED										
698.		RESERVED										
699.		Alcatel-Lucent LTE Scheduler-August 2013	ALAD-01296474- ALAD-01296507 (Andrews 10-3-14 Deposition Ex. No. 3)	None								

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
700.		Verizon LTE Scheduler- December 15, 2010	VZW_0072105 through VZW_0072111 (Andrews 10-3-14 Deposition Ex. No. 4)	None								
701.		Vectors hand drawn by Paul Hayes	(Andrews 10-3-14 Deposition Ex. No. 5)	None								
702.		RESERVED										
703.		9400 LIE Radio Algorithms And Parameters Description	ALAD-01181803 through ALAD- 01182078 (Andrews 10-3-14 Deposition Ex. No. 7)	None								
704.		LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) Physical layer procedures (3GPP TS 36.213 version 8.8.0 Release 8)	None (Bao 5-2-14 Deposition Ex. No. 2)	None								
705.		Verizon's Objections And Responses To Adaptix's Second Set Of Common Interrogatories (Nos. 11-15)	None (Bao 5-2-14 Deposition Ex. No. 3)	BE, INC, UP	Check that this is latest or substitute							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
706.		Verizon LTE Scheduler, Verizon Network and Technology, December 15, 2010	VZW_0072105 through 72111) (Bao 5-2-14 Deposition Ex. No. 4)	None								
707.		E-Mail String, Top E-Mail dated 2/22/2010 from Yang, Jin to Tijo, Lee	VZW 629621-6 (Bao 5-2-14 Deposition Ex. No. 5)	I, UP	Sustained, with exception							
708.		4G/LTE Release Management	SSLP_0000001 to 00000031 (Barbee 6-23-14 Deposition Ex. No. 3)	None								
709.		Alu Exhaust Analysis by Market, Sprint	SSLP_0000061 (Barbee 6-23-14 Deposition Ex. No. 4)	None								
710.		RESERVED										
711.		3GPP TS 36.213 V9.3.0 (2010-09)	None (Boice 5-20-14 Deposition Ex. No. 2)	None								
712.		RESERVED										
713.		LTE Scheduler Verizon Network and Technology December 15, 2010	VZW_0072105-111 (Boice 5-20-14 Deposition Ex. No. 4)	None								

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714.		eNodeB Schedulers Overview and Impacts	VZW_0576626-33 (Boice 5-20-14 Deposition Ex. No. 5)	None								
715.		RESERVED										
716.		RESERVED										
717.		RESERVED										
718.		FDD eNodeB LTE Parameters User Guide	ALAD-00016594- 16637(Butler 6-19-14 Deposition Ex. No. 4)	None								
719.		RESERVED										
720.		RESERVED										
721.		RESERVED										
722.		RESERVED										
723.		RESERVED										
724.		RESERVED										

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725.		RESERVED										
726.		Euro-Budget Rate 2013	(Butler 6-19-14 Deposition Ex. No. 12)	None								
727.		RESERVED										
728.		Alcatel-Lucent Training Manual-Section 1: 9400 LTE radio algorithms and parameters description Module 2- Radio	ALAD 1181803- 1182078 (Dominique 6-2-14 Deposition Ex. No. 2)	None								
729.		Alcatel LTE RRM Downlink Dynamic Scheduler 10 Sep 2012	ALAD 47687-48038 (Dominique 6-2-14 Deposition Ex. No. 3)	None								
730.		Alcatel-Lucent marketing brochure – Alcatel-Lucent LTE scheduler – Fast Facts on Alcatel-Lucent LTE scheduler differentiators	ALAD 55454-55458 (Dominique 6-2-14 Deposition Ex. No. 4)	None								
731.		RESERVED										

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732.		ALU Optional Feature Tab	ALAD 1062206 (Dominique 6-2-14 Deposition Ex. No. 6)	None								
733.		LTE Schedule and Capability MAC-DRX TTI-Bundling Enduser Capacity dated March 2012	VZW 73463-73487 (Dominique 6-2-14 Deposition Ex. No. 7)	None								
734.		Alcatel-Lucent LTE Parameters – 4-SEPTEMBER – 2012 FDD eNodeB LTE Parameters Users guide	ALAD-00016594 – 17 (Dominique 6-2-14 Deposition Ex. No. 9)	None								
735.		LTE RRM Schedule and channel configuration 22/May/2013	ALAD-00134579 – 134860 (Dominique 6-2-14 Deposition Ex. No. 10)	None								
736.		LTE RRM DRA&PS and MAC Downlink Scheduler Using SRS 6/DEC/2010	ALAD-00140910-141193 (Dominique 6-2-14 Deposition Ex. No. 11)	None								
737.		LTE RRM DL Dynamic Carrier Scheduler Xx/jun/2013	ALAD-00130282-130526 (Dominique 6-2-14 Deposition Ex. No. 12)	None								

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738.		LTE RRM Schedule Procedures 31/May/2013	ALAD-00135354-135598 (Dominique 6-2-14 Deposition Ex. No. 13)	None								
739.		LTE in Band 13 Device Specifications Rosemary McNally Executive Director	VZW_0564270 -303 (McNally 5-23-14 Deposition Ex. No. 1)	None								
740.		RESERVED										
741.		RESERVED										
742.		RESERVED										
743.		RESERVED										
744.		RESERVED										
745.		RESERVED										
746.		RESERVED										
747.		RESERVED										
748.		RESERVED										
749.		RESERVED										

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750.		Alcatel-Lucent LTE Scheduler	ALAD 55454-55458 (Pereira 6-4-14 Deposition Ex. No. 9)	None								
751.		Device Requirements document	None (Prather 5-23-14 Deposition Ex. No. 2)	None								
752.		AT&T Achievement & Development	AT&T 499614-21 (Prather 5-23-14 Deposition Ex. No. 3)		Exhibit is withdrawn but can be used for cross							
753.		RESERVED										
754.		Document entitled Device Requirements, revision date March 22, 2013.	(Prise 5-9-14 Deposition Ex. No. 2)	None								
755.		Spreadsheet Document No. 13289, release date March 22, 2013.	(Prise 5-9-14 Deposition Ex. No. 3)	None								
756.		RESERVED										
757.		4G Leapfrog Alcatel-Lucent design analysis	SSLP_12735-38 SSLP_12763-67 (Sippel 7-17-14 Deposition Ex. No. 2)	None								

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758.		Leapfrog project template	SSLP_13640-42; 44 SSLP_13775-82 (Sippel 7-17-14 Deposition Ex. No. 3)	None								
759.		Describes features released on the LTE network for Network Vision release 3.0 from Alcatel-Lucent	SSLP_10564-74 SSLP_10585; 96; 0609-619; 10703-705 (Sippel 7-17-14 Deposition Ex. No. 4)	None								
760.		LTE FRD for user equipment info in billing feed	SSLP_10550-57 (Sippel 7-17-14 Deposition Ex. No. 5)	None								
761.		RESERVED										
762.		Daily Network Vision site on air	SSLP_22201-3 (Sippel 7-17-14 Deposition Ex. No. 7)	None								
763.		Hardware spreadsheet	SSLP_22010-73 (Sippel 7-17-14 Deposition Ex. No. 8)	None								
764.		RESERVED										
765.		RESERVED										
766.		LTE Department of Justice Bill Stone May, 2011	VZW_0313131 – 160 (Stone 5-21-14 Deposition Ex. No. 3)	None								

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767.		RESERVED										
768.		Multi-Band Trial High Level Test Plan Verizon Network & Technology	VZW_0639270-305 (Stone 5-21-14 Deposition Ex. No. 5)	None								
769.		RESERVED										
770.		RESERVED										
771.		RESERVED										
772.		RESERVED										
773.		RESERVED										
774.		RESERVED										
775.		RESERVED										
776.		RESERVED										
777.		RESERVED										
778.		RESERVED										
779.		RESERVED										
780.		RESERVED										

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781.		RESERVED										
782.		RESERVED										
783.		RESERVED										
784.		RESERVED										
785.		RESERVED										
786.		RESERVED										
787.		RESERVED										
788.		RESERVED										
789.		RESERVED										
790.		RESERVED										
791.		RESERVED										
792.		RESERVED										
793.		RESERVED										
794.		Alcatel-Lucent TXDIV vers Closed Loop Performances October 2011 presentation	(Tarallo 6-13-14 Deposition Ex. No. 2)	None								

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795.		3GPP TS 36.213 V8.8.0 2009-09 Technical Specification	(Tarallo 6-13-14 Deposition Ex. No. 3)	None								
796.		Alcatel-Lucent LTE Scheduler Overview presentation	ALAD 1422301-46 (Tarallo 6-13-14 Deposition Ex. No. 4)	None								
797.		Overview of LTE Downlink Scheduler	ALAD 54307-99 (Tarallo 6-13-14 Deposition Ex. No. 5)	None								
798.		Alcatel-Lucent Attachment	ALAD-01278898- 8905 (Tarallo 6-13- 14 Deposition Ex. No. 8)	None								
799.		Alcatel-Lucent LTE Scheduler Strategic White Paper	ALAD-00055454- 5458 (Tarallo 6-13- 14 Deposition Ex. No. 11)	None								
800.		Alcatel-Lucent LTE RAN SOLUTION LTE Scheduler Attributes September 2011	ALAD-00055183- 5200 (Tarallo 6-13- 14 Deposition Ex. No. 12)	None								
801.		RESERVED										
802.		RESERVED										

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803.		August 6, 2012 amendment to addendum A	ADAP 8836807-13 (Wagner 12-10-14 Depo Ex. No. 2)	None								
804.		e-mail from Nathan Grossman to various recipients, dated October 18, 2011,	ADAP 00247214 (Wagner 12-10-14 Depo Ex. No. 3)	HS	Withdrawn							
805.		document containing e-mails, dated January 10, 2012, from Ye Chin to various recipients,	ATTM-00348296 to 302 (Wagner 12-10-14 Depo Ex. No. 4)	Withdrawn								
806.		document entitled E/// L13A DL Throughput investigation, Vladimir Gusavac, NP&E RAN, December 9, 2013,	ATTM-571737-750 (Wagner 12-10-14 Depo Ex. No. 5)	None								
807.		RESERVED										
808.		Device Requirements LTE 3GPP Band 13 Network Access Version 3.00	VZW_0630311 to VZW_0630368 Youtz 5-22-14 Depo Ex. 3	None								
809.		E-mail string between Andrew Youtz and Rosemary McNally – 11-30-2010	VZW_0575237 to VZW_0575239 Youtz 5-22-14 Depo Ex. 6	I, UP	Overruled							

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810.		RESERVED										
811.		RESERVED										
812.		RESERVED										
813.		RESERVED										
814.		RESERVED										
815.		RESERVED										
816.		RESERVED										
817.		RESERVED										
818.		RESERVED										
819.		RESERVED										
820.		ALU's 7-14-14 First supplemental answer to Adaptix's Second Common Interrogatory Number 15		None								

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821.		ALU's 7-14-14 Second supplemental answer to Adaptix's First Common Interrogatory Number 4		None								
822.		RESERVED										
823.		RESERVED										
824.		RESERVED										
825.		ATT's Objections And Responses To Adaptix's First Set of Common Interrogatories (Nos. 1-10) Nos. 1, 2, 4		None								
826.		ATT's Objections And Responses To Adaptix's Second Set of Common Interrogatories (Nos. 11-15) Nos. 11-15		None								
827.		Verizon's Objections And Responses To Adaptix's First Set of Common Interrogatories (Nos. 1-10) Nos. 1, 2, 4, 6, 8, 9		BRPL, INC	Check that this is latest or substitute							

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828.		RESERVED										
829.		Sprint's Objections And Responses To Adaptix's First Set of Common Interrogatories (Nos. 1-10) Nos. 1, 2, 4, 5, 6, 8, 9		None								
830.		ALU's Objections And Responses To Adaptix's First Set of Common Interrogatories (Nos. 1-10) Nos. 1, 4, 6		None								
831.		ALU's Objections And Responses To Adaptix's Second Set of Common Interrogatories (Nos. 1-10) Nos. 11, 12, 13, 14, 15		None								
832.		Project Angel Conception Documents (including Native version)	ADAP 00198433-ADAP 00198462	U, I, UP	Overruled; Defendants can re-raise with RWS							
833.		Project Angel Conception Documents (including Native version)	ADAP 08506958-ADAP 08506987	U, I, UP	Overruled; Defendants can re-raise with RWS							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
834.		Project Angel Conception Documents- Metadata/DAT files	ADAP 00198433- ADAP 00198462	U, I, UP	Overruled; Defendants can re-raise with RWS							
835.		Project Ang el Conception Documents- Metadata/DAT files	ADAP 08506958- ADAP 08506987	U, I, UP	Overruled; Defendants can re-raise with RWS							
836.		RESERVED										
837.		RESERVED										
838.		RESERVED										
839.		RESERVED										
840.		RESERVED										
841.		RESERVED										
842.		RESERVED										
843.		RESERVED										
844.		RESERVED										
845.		RESERVED										

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846.		RESERVED										
847.		RESERVED										
848.		RESERVED										
849.		RESERVED										
850.		Attorney General of Washington letter to Michael Gray – Adaptix, Inc. v. Clearwire Corp.(dated 1-11-10)	ADAP 09897817	HS, A	Sustained							
851.		Assignment Liu to Broadstorm Telecommunications	ADAP-AH-137-141	None								
852.		Assignment: Liu to Broadstorm Telecommunications	ADAP-AH-016-20	None								
853.		RESERVED										
854.		RESERVED										
855.		RESERVED										
856.		RESERVED										

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857.		RESERVED										
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861.		RESERVED										
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864.		RESERVED										
865.		RESERVED										
866.		RESERVED										
867.		RESERVED										
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869.		RESERVED										
870.		RESERVED										
871.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
872.		RESERVED										
873.		RESERVED										
874.		RESERVED										
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884.		RESERVED										
885.		RESERVED										
886.		BAWA Weekly Update: June 7, 2011	ALAD-01053475- ALAD-01053507	None								

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
887.		RESERVED										
888.		RESERVED										
889.		LTE: March 2012	ALAD-01101989	None								
890.		RESERVED										
891.		RESERVED										
892.		RESERVED										
893.		RESERVED										
894.		RESERVED										
895.		RESERVED										
896.		RESERVED										
897.		RESERVED										
898.		RESERVED										
899.		RESERVED										
900.		RESERVED										
901.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
902.		RESERVED										
903.		9400 LTE LA6.0 Radio Algorithms And Parameters Description Student Guide ALU: 2013	ALAD-01191143- ALAD-01191906	None								
904.		Sprint-ALU SON Feature Process: 6/26/2013	ALAD-01233024- ALAD-01233043	None								
905.		RESERVED										
906.		RESERVED										
907.		RESERVED										
908.		RESERVED										
909.		RESERVED										
910.		RESERVED										
911.		RESERVED										
912.		RESERVED										
913.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
914.		RESERVED										
915.		RESERVED										
916.		RESERVED										
917.		RESERVED										
918.		RESERVED										
919.		RESERVED										
920.		RESERVED										
921.		RESERVED										
922.		RESERVED										
923.		RESERVED										
924.		RESERVED										
925.		RESERVED										
926.		ALU Interference Mitigation in LTE Heterogeneous Networks: September 2011	VZW_0011799	None								

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
927.		RESERVED										
928.		RESERVED										
929.		RESERVED										
930.		RESERVED										
931.		RESERVED										
932.		RESERVED										
933.		RESERVED										
934.		RESERVED										
935.		RESERVED										
936.		RESERVED										
937.		RESERVED										
938.		RESERVED										
939.		RESERVED										
940.		RESERVED										
941.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
942.		RESERVED										
943.		LTE Scheduler Capability, MAC -DRX, TTI-Bundling and User Capacity: March 2012	VZW_0082209- 0082224	None								
944.		RESERVED										
945.		RESERVED										
946.		RESERVED										
947.		RESERVED										
948.		RESERVED										
949.		RESERVED										
950.		RESERVED										
951.		RESERVED										
952.		RESERVED										
953.		RESERVED										
954.		RESERVED										
955.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
956.		RESERVED										
957.		RESERVED										
958.		RESERVED										
959.		RESERVED										
960.		RESERVED										
961.		RESERVED										
962.		RESERVED										
963.		RESERVED										
964.		RESERVED										
965.		RESERVED										
966.		RESERVED										
967.		RESERVED										
968.		RESERVED										
969.		RESERVED										
970.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
971.		RESERVED										
972.		RESERVED										
973.		RESERVED										
974.		RESERVED										
975.		RESERVED										
976.		RESERVED										
977.		RESERVED										
978.		RESERVED										
979.		RESERVED										
980.		RESERVED										
981.		RESERVED										
982.		RESERVED										
983.		RESERVED										
984.		RESERVED										
985.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
986.		RESERVED										
987.		RESERVED										
988.		RESERVED										
989.		RESERVED										
990.		RESERVED										
991.		RESERVED										
992.		RESERVED										
993.		RESERVED										
994.		RESERVED										
995.		RESERVED										
996.		RESERVED										
997.		RESERVED										
998.		RESERVED										
999.		RESERVED										
1000.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1001.		RESERVED										
1002.		RESERVED										
1003.		RESERVED										
1004.		RESERVED										
1005.		RESERVED										
1006.		RESERVED										
1007.		RESERVED										
1008.		RESERVED										
1009.		RESERVED										
1010.		RESERVED										
1011.		RESERVED										
1012.		RESERVED										
1013.		RESERVED										
1014.		RESERVED										
1015.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1016.		RESERVED										
1017.		RESERVED										
1018.		RESERVED										
1019.		RESERVED										
1020.		RESERVED										
1021.		RESERVED										
1022.		RESERVED										
1023.		RESERVED										
1024.		RESERVED										
1025.		RESERVED										
1026.		RESERVED										
1027.		RESERVED										
1028.		RESERVED										
1029.		RESERVED										
1030.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1031.		RESERVED										
1032.		RESERVED										
1033.		RESERVED										
1034.		RESERVED										
1035.		RESERVED										
1036.		RESERVED										
1037.		RESERVED										
1038.		RESERVED										
1039.		RESERVED										
1040.		RESERVED										
1041.		RESERVED										
1042.		RESERVED										
1043.		RESERVED										
1044.		RESERVED										
1045.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1046.		RESERVED										
1047.		RESERVED										
1048.		RESERVED										
1049.		RESERVED										
1050.		RESERVED										
1051.		RESERVED										
1052.		RESERVED										
1053.		RESERVED										
1054.		RESERVED										
1055.		RESERVED										
1056.		RESERVED										
1057.		RESERVED										
1058.		RESERVED										
1059.		RESERVED										
1060.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1061.		RESERVED										
1062.		RESERVED										
1063.		RESERVED										
1064.		RESERVED										
1065.		RESERVED										
1066.		RESERVED										
1067.		RESERVED										
1068.		RESERVED										
1069.		RESERVED										
1070.		RESERVED										
1071.		RESERVED										
1072.		RESERVED										
1073.		RESERVED										
1074.		RESERVED										
1075.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1076.		RESERVED										
1077.		RESERVED										
1078.		RESERVED										
1079.		RESERVED										
1080.		RESERVED										
1081.		RESERVED										
1082.		RESERVED										
1083.		RESERVED										
1084.		RESERVED										
1085.		RESERVED										
1086.		RESERVED										
1087.		RESERVED										
1088.		RESERVED										
1089.		ALU comparison of Modes 1-1 and 3-1: 6/9/2014	VZW_0858148	None								

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1090.		RESERVED										
1091.		RESERVED										
1092.		RESERVED										
1093.		RESERVED										
1094.		ALU LTE Network Capacity Monitoring & Engineering	VZW_0121816- 021990	None								
1095.		RESERVED										
1096.		RESERVED										
1097.		RESERVED										
1098.		RESERVED										
1099.		RESERVED										
1100.		RESERVED										
1101.		RESERVED										
1102.		RESERVED										
1103.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1104.		RESERVED										
1105.		RESERVED										
1106.		RESERVED										
1107.		RESERVED										
1108.		RESERVED										
1109.		RESERVED										
1110.		RESERVED										
1111.		RESERVED										
1112.		RESERVED										
1113.		RESERVED										
1114.		RESERVED										
1115.		RESERVED										
1116.		RESERVED										
1117.		RESERVED										
1118.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1119.		RESERVED										
1120.		RESERVED										
1121.		RESERVED										
1122.		RESERVED										
1123.		RESERVED										
1124.		RESERVED										
1125.		RESERVED										
1126.		RESERVED										
1127.		RESERVED										
1128.		RESERVED										
1129.		RESERVED										
1130.		RESERVED										
1131.		RESERVED										
1132.		RESERVED										
1133.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1134.		RESERVED										
1135.		RESERVED										
1136.		RESERVED										
1137.		RESERVED										
1138.		RESERVED										
1139.		RESERVED										
1140.		RESERVED										
1141.		RESERVED										
1142.		RESERVED										
1143.		RESERVED										
1144.		RESERVED										
1145.		RESERVED										
1146.		RESERVED										
1147.		RESERVED										
1148.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1149.		RESERVED										
1150.		RESERVED										
1151.		RESERVED										
1152.		RESERVED										
1153.		RESERVED										
1154.		RESERVED										
1155.		RESERVED										
1156.		RESERVED										
1157.		RESERVED										
1158.		RESERVED										
1159.		RESERVED										
1160.		RESERVED										
1161.		RESERVED										
1162.		RESERVED										
1163.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1164.		RESERVED										
1165.		RESERVED										
1166.		RESERVED										
1167.		RESERVED										
1168.		RESERVED										
1169.		RESERVED										
1170.		RESERVED										
1171.		RESERVED										
1172.		RESERVED										
1173.		RESERVED										
1174.		RESERVED										
1175.		RESERVED										
1176.		RESERVED										
1177.		RESERVED										
1178.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1179.		RESERVED										
1180.		RESERVED										
1181.		RESERVED										
1182.		RESERVED										
1183.		RESERVED										
1184.		RESERVED										
1185.		RESERVED										
1186.		RESERVED										
1187.		RESERVED										
1188.		RESERVED										
1189.		RESERVED										
1190.		RESERVED										
1191.		RESERVED										
1192.		RESERVED										
1193.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1194.		RESERVED										
1195.		RESERVED										
1196.		RESERVED										
1197.		RESERVED										
1198.		RESERVED										
1199.		RESERVED										
1200.		RESERVED										
1201.		RESERVED										
1202.		RESERVED										
1203.		RESERVED										
1204.		RESERVED										
1205.		RESERVED										
1206.		RESERVED										
1207.		RESERVED										
1208.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1209.		RESERVED										
1210.		RESERVED										
1211.		RESERVED										
1212.		RESERVED										
1213.		RESERVED										
1214.		RESERVED										
1215.		RESERVED										
1216.		RESERVED										
1217.		RESERVED										
1218.		RESERVED										
1219.		RESERVED										
1220.		RESERVED										
1221.		RESERVED										
1222.		RESERVED										
1223.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1224.		RESERVED										
1225.		RESERVED										
1226.		RESERVED										
1227.		RESERVED										
1228.		RESERVED										
1229.		RESERVED										
1230.		RESERVED										
1231.		RESERVED										
1232.		RESERVED										
1233.		RESERVED										
1234.		RESERVED										
1235.		RESERVED										
1236.		RESERVED										
1237.		RESERVED										
1238.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1239.		RESERVED										
1240.		RESERVED										
1241.		RESERVED										
1242.		RESERVED										
1243.		RESERVED										
1244.		RESERVED										
1245.		RESERVED										
1246.		RESERVED										
1247.		RESERVED										
1248.		RESERVED										
1249.		RESERVED										
1250.		RESERVED										
1251.		RESERVED										
1252.		RESERVED										
1253.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1254.		RESERVED										
1255.		RESERVED										
1256.		RESERVED										
1257.		RESERVED										
1258.		RESERVED										
1259.		RESERVED										
1260.		RESERVED										
1261.		RESERVED										
1262.		RESERVED										
1263.		RESERVED										
1264.		RESERVED										
1265.		RESERVED										
1266.		RESERVED										
1267.		RESERVED										
1268.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1269.		RESERVED										
1270.		RESERVED										
1271.		RESERVED										
1272.		RESERVED										
1273.		RESERVED										
1274.		RESERVED										
1275.		RESERVED										
1276.		RESERVED										
1277.		RESERVED										
1278.		RESERVED										
1279.		RESERVED										
1280.		RESERVED										
1281.		RESERVED										
1282.		RESERVED										
1283.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1284.		RESERVED										
1285.		RESERVED										
1286.		RESERVED										
1287.		RESERVED										
1288.		RESERVED										
1289.		RESERVED										
1290.		RESERVED										
1291.		RESERVED										
1292.		RESERVED										
1293.		RESERVED										
1294.		RESERVED										
1295.		RESERVED										
1296.		RESERVED										
1297.		RESERVED										
1298.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1299.		RESERVED										
1300.		RESERVED										
1301.		RESERVED										
1302.		RESERVED										
1303.		RESERVED										
1304.		RESERVED										
1305.		RESERVED										
1306.		RESERVED										
1307.		RESERVED										
1308.		RESERVED										
1309.		RESERVED										
1310.		RESERVED										
1311.		RESERVED										
1312.		RESERVED										
1313.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1314.		RESERVED										
1315.		RESERVED										
1316.		RESERVED										
1317.		RESERVED										
1318.		RESERVED										
1319.		RESERVED										
1320.		RESERVED										
1321.		RESERVED										
1322.		RESERVED										
1323.		RESERVED										
1324.		RESERVED										
1325.		RESERVED										
1326.		RESERVED										
1327.		RESERVED										
1328.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1329.		RESERVED										
1330.		RESERVED										
1331.		RESERVED										
1332.		AT&T spreadsheet showing DL PRBs used for FSS users	ATT_1222_1245314	Withdrawn								
1333.		RESERVED										
1334.		RESERVED										
1335.		RESERVED										
1336.		Alcatel-Lucent & Ericsson RAN Base Station Purchase Receipts	ATT_1222_0150719 6	None								
1337.		Defendant AT&T Mobility LLC's 2nd Supplemental Objections and Responses to Plaintiff's 1st Set of Individual Interrogatories to AT&T (Nos. 1-14)		I, UP, INC, BE	Check that this is latest or substitute							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1338. (A-C)		RESERVED										
1339.		RESERVED										
1340. (A-C)		RESERVED)										
1341.		ALU spreadsheet showing DL PRBs used for FSS users	ALAD-01124971	Withdrawn								
1342.		ALU spreadsheet showing DL PRBs used for FSS users	ALAD-01122795- 01122801	I, UP, DESC	Adaptix to correct exhibit							
1343.		ALU spreadsheet showing DL PRBs used for FSS users	ALAD-01124871- 01124882	I, UP, DESC	Adaptix to correct exhibit							
1344.		ALU spreadsheet showing DL PRBs used for FSS users	ALAD-01124884- 01124895	I, UP, DESC	Adaptix to correct exhibit							
1345.		ALU spreadsheet showing DL PRBs used for FSS users	ALAD-01124972	DESC, I, UP	Adaptix to correct exhibit							
1346.		RESERVED										
1347.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1348.		Spreadsheet Total North America Wireless Access – WLS – Small Cells	ALAD-02104479	None								
1349.		RESERVED										
1350.		RESERVED										
1351.		2014 Annual Report by Verizon	VZW_0859537-859616	None								
1352.		Clint Smith and Daniel Collins, 3G Wireless Networks” at p. 28, table 2-1 (the McGraw-Hill Companies, Inc.) (2002)		U, HS, I, UP, INC	Can be used on cross; not to be admitted							
1353.		M. Naghshineh, M. Schwartz, and A.S. Acampora, issues in Wireless Access Broadband Networks,” Wireless Information Networks, Kluwer Academic Publications, 1995.		None								

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1354.		A.S. Acampora, S.V. Krishnamurthy, and M. Zorzi, Media Access Protocols for Use with Smart Adaptive Array Antennas to Enable Wireless Multimedia communications”, Wireless Networks, Springer-Verlag, 1998; (chapter):201-212		None								
1355.		Alcatel Lucent University – 9400 LTE RAN Radio Principles Description: Student Guide	ALAD-01377900-01378141	None								
1356.		Cross Layer Design and Optimization of Wireless Networks,” Hujun Yin (Yin ITC Depo. Ex. 5)	ADITC2072009-ADITC2072150	None								
1357.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1358.		Multiuser Diversity in MAC Layer, Hujun Yin, University of Washington (Yin ITC Depo. Ex. 4)	ADITC0479403- ADITC0479452	None								
1359.		Excel of requested metadata for AT&T docs		U, UP, HS	Sustained							
1360.		RESERVED										
1361.		Andrews publication “Fundamentals of LTE” (Prentice Hall, ©2011 Pearson Education, Inc.)		None								
1362.		Alcatel-Lucent Converged Radio Access Network solution	ALAD-00016578- 16589	None								
1363.		LTE Release LA4.0 eNB, & SAM First Field Application Completion Notification	ALAD-01113696- 113709	None								
1364.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1365.		Sprint Network Vision 4G LTE Release 2.0; System Requirements Document; Version: 1.0 dated 8/6/12	SSLP_0011243-11672	None								
1366.		Settlement and Patent License Agreement between Adaptix, Inc and ZTE dated June 29, 2015	ADAP 9897903-9897932	None								
1367.		University of Washington Patent, Invention, and Copyright Policy	UWASH000009-000012	None								
1368.		Hui Liu Employment Agreement	UWASH000046-000049	None								
1369.		University of Washington Correspondence	UWASH000050-000078	None								

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1370.		Bruno Monfils email Re: investment opportunity - July 8, 2001	AD00455363	HS	Sustained, but not closing the door forever. Adaptix can introduce it to the extent that the proper foundation is laid through a witness.							
1371.		Nicolas Kauser - Advisory Board	AD00585154- AD00585155	HS	Sustained, but not closing the door forever. Adaptix can introduce it to the extent that the proper foundation is laid through a witness.							

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1372.		Bruno Monfils email to Tom Goodrich Re Nick Kauser - August 7, 2001	AD00312612 ADAP 00019326	HS	Sustained, but not closing the door forever. Adaptix can introduce it to the extent that the proper foundation is laid through a witness.							
1373.		Broadstorm History of 2000 Stock Option Plan	AD00457554-569	HS	Sustained, but not closing the door forever. Adaptix can introduce it to the extent that the proper foundation is laid through a witness.							

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1374.		Broadstorm CEO Dinner with Nick Kauser	AD00562098-99	HS	Sustained, but not closing the door forever. Adaptix can introduce it to the extent that the proper foundation is laid through a witness..							
1375.		Broadstorm Series A Preferred Stock Purchase Agreement	Vantage000232-256	None								
1376.		Hui Liu Invention Invention Assignment Agreement	ADAP-SUPP00018- 2015 - ADAP- SUPP00022-2015	U	Sustained							
1377.		Hujun Yin Invention Assignment Agreement	ADAP-SUPP00023- 2015 - ADAP- SUPP00026-2015	U	Sustained							
1378.		Xiaodong Li Invention Assignment Agreement	ADAP-SUPP00038- 2015 - ADAP- SUPP00044-2015	U	Sustained							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1379.		Fuqi Mu Invention Assignment Agreement	ADAP-SUPP00001- 2015 - ADAP- SUPP00006-2015	U	Sustained							
1380.		Guanbin Xing Invention Assignment	ADAP-SUPP00007- 2015 - ADAP- SUPP00012	U	Sustained							
1381.		Standard Invention Assignment Agreement	AD00006341-46 AD00006409-14 AD00176485-90	None								
1382.		Pal Meiyappan - Employee Confidential Agreement - Invention Assignment	ADAP-SUPP00032- 2015 - ADAP- SUPP00037-2015	U	Sustained							
1383.		Liang Hong Employee Confidential Agreement - Invention Assignment	ADAP-SUPP00027- 2015 - ADAP- SUPP00031-2015	U	Sustained							
1384.		James Hite Employee Confidential Agreement - Invention Assignment	ADAP-SUPP00013- 2015 - ADAP- SUPP00017-2015	U	Sustained							
1385.		Hong Resume Email	AD01268773	None								

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1386.		Liu email to Max Sprague - 9/12/2000	AD00006062	HS	Sustained, but not closing the door forever. Adaptix can introduce it to the extent that the proper foundation is laid through a witness.							
1387.		Broadstorm Ad for Engineers	AD00004344-46	HS	Sustained, but not closing the door forever. Adaptix can introduce it to the extent that the proper foundation is laid through a witness.							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1388.		Pal Meiyappan email from 9/6/2000 requesting interview and sending resume to Michelle Gloria	AD00005926-28	None								
1389.		Pal Meiyappan Employment, Confidentiality, and Non-solicitation Agreement with AT&T Wireless, Fax Transmission	ADAP-SUPP00045-2015 - ADAP-SUPP00048-2015	None								
1390.		10/6/2006 Adaptix email to AT&T providing ATT with Adaptix product overview, '315, '808, '283, '748, '444 patents	AD02360670-1 ADITC2092230-1	I, UP, HS	Overruled							
1391.		Adaptix Product and Technology Review - August 2006 -	ADITC2092232-73	I, UP, HS	Overruled							

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1392.		USPTO Patent Full-Text and Image Database - '315 Patent	ADITC2092274-87	A, BE, UP	Can introduce if defendants contest what was sent in 2006; RWS to review							
1393.		USPTO Patent Full-Text and Image Database - '444 Patent	ADITC2092305-318	A, BE, UP	Can introduce if defendants contest what was sent in 2006; RWS to review							
1394.		USPTO Patent Full-Text and Image Database - '808 Patent	ADITC2092319-331	A, BE, UP	Can introduce if defendants contest what was sent in 2006; RWS to review							
1395.		USPTO Patent Full-Text and Image Database - '283 Patent	ADITC2092332-354	A, BE, UP	Can introduce if defendants contest what was sent in 2006; RWS to review							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1396.		USPTO Patent Full-Text and Image Database - '748 Patent	ADITC2092388-405	A, BE, UP	Can introduce if defendants contest what was sent in 2006; RWS to review							
1397.		Adaptix Company and Product Overview for AT&T - August 14, 2006	ATT_1024634-1024663	I, UP, HS	Overruled							
1398.		Adaptix Fast-Switching OFDMA Presentation to AT&T - November 2004	ATT_1024753-92	I, UP, HS	Overruled							
1399.		AT&T Labs Questions & Answer Summary - 10/20/2006	ATT_1024796-804	I, UP, HS	Overruled							
1400.		Broadstorm Baseline Link and System Level Assumptions	ATT_1024807-19	I, UP, HS	Overruled							
1401.		8/17/2006 Email from Adaptix to AT&T w/ Responses to questions raised at 8/14 meeting	ATT_1024820-21	I, UP, HS	Overruled							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1402.		Adaptix BX-3000 OFDMA/802.16e Mobile Base Station Spec.	ATT_1024805-06	I, UP	Overruled							
1403.		Adaptix SX-300 OFDMA/802.16e Compact Mobile Terminal	ATT_1024822-23	I, UP	Overruled							
1404.		Non-Disclosure - Reciprocal No. 04036629 Between Adaptix and SBC Servs. - October 4, 2004	AD00625613-625616	I, UP	Overruled							
1405.		Amendment No. 1 - Non-Disclosure Agreement No. 04036629 Between Adaptix and AT&T concerning Fixed Wireless Access Project - July 31, 2006	ADAP 00325583 ADAP 00366108 ADAP 08532157 ADAP 01223738	I, UP	Overruled							
1406.		Adaptix email to Verizon Wireless - October 3, 2007 - Re: Adaptix Intro for Verizon	AD01672596 ADAP 00319819	HS, I, UP, COMP, DESC, PK, F, S	Overruled							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1407.		Adaptix October 3, 2007 Presentation to Verizon Wireless	ADAP 00319820-834	HS, I, UP, PK, F, S	Overruled							
1408.		Airlink 1.8 Interface Control Document (AICD)	AD01258082- 1258266	None								
1409.		Framework for Advanced Radio Resource Management within the FWS Network	AD01265941- 1265974	None								
1410.		FWS Voice Capacity Analysis	AD01271270- 1271297	None								
1411.		Resource Allocation Architecture	AD01284735- 1284856	None								
1412.		PWAN Airlink Interface Control Doc.	AD01298897- 1299366	None								
1413.		2001-2002 FWS Software Development Plan	AD01301330- 1301373	None								
1414.		FWS System Architecture Document (SAD) 1.0	AD01303223- 1303297	None								
1415.		RESERVED										

Pltf Exh	Dft Exh No.	Description	Bates No. ¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1416.		RESERVED										
1417.		RESERVED										
1418.		License and Settlement Agreement between Acacia Research Group LLC and ZTE	ADAP 09897882-09897933	None								
1419.		AT&T Excel – No. of Antennas, Features, SW Config	ATTM-00573911		Exhibit is withdrawn but can be used for cross							
1420.		Ocko email to Mu, Liu RE: meeting with BOPS – 8/4/2000	AD01549159	HS	Sustained, but not closing the door forever. Adaptix can introduce it to the extent that the proper foundation is laid through a witness.							

Pltf Exh	Dft Exh No.	Description	Bates No.¹ Dep. Ex. No. Docket Index No.	Revised Objections	Judge Craven's Preliminary Ruling	Category	Marked	Offered	Objection	Admitted	Date Offered	Witness
1421.		Verizon Wireless Customer Agreement	ADAP-SUPP0049- ADAP-SUPP0056	U, I, UP, LO, EXP	Sustained, with exception							
1422.		Sprint Terms & Conditions	ADAP-SUPP0057- ADAP-SUPP0067	U, I, UP, LO	Sustained, with exception							
1423.		AT&T Wireless Customer Agreement	ADAP-SUPP0068- ADAP-SUPP0083	U, I, UP, LO	Sustained, with exception							
1424.		Alcatel-Lucent Whitepaper, "Alcatel- Lucent Metro Cells"										
1425.		Excel Spreadsheet: CQI_Distributions	ATT_1197918	Withdrawn								
1426.		Downlink Frequency Selective Scheduling AT&T LTE L13A FFA	ATTM-00197636- ATTM-00197710	None								

EXHIBIT B

DEFENDANTS' THIRD AMENDED EXHIBIT LIST

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
1	ETSI Technical Committee SMG, Report of Meeting no. 21 held in Paris 10-14 February 1997	ADITC2807949; ERIC-01334187; INV_00023406	ADITC2808389; ERIC-01334615; INV_00023484	M	Withdrawn	
2	Email from Hui Liu re beginning of company	AD00003651	AD00003652	M	Not Categorized - Withdrawn	
3	Email from Matt Ocko to Hui Liu re: Term Sheet	AD00003653	AD00003654	M	402, 403, 602	Sustained
4	Email from Alex Li re: Broadstorm Story	AD00003827	AD00003827	M	402, 403	Sustained
5	Email from Hui Liu re: hiring Kemin Li	AD00003833	AD00003833	M	402, 403, 106	Sustained
6	Email from Li re MAC design	AD00004182	AD00004183	M	Not Categorized - Withdrawn	
7	Email from Hui Liu to Steve Kuo re: Broadstorm and Comdisco	AD00005904	AD00005905	M		
8	About Broadstorm Telecommunications Inc.	AD00005906	AD00005910	M	Not Categorized - Withdrawn	
9	Email re: hiring interview for Pal Meiyappan	AD00005926	AD00005928	M	Not Categorized - Withdrawn	
10	Email re: Jim Hite's Resume	AD00005981	AD00005985	M		
11	Email from Liu to Gloria re RE: interviews, dated September 11, 2000	AD00006014	AD00006014	M		
12	Email from Liu to Gloria re RE: availability, dated September 15, 2000	AD00006114	AD00006115	M	Not Categorized -	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
					Withdrawn	
13	Email from Hui Liu re Jim Hite	AD00006127	AD00006127	M		
14	Email from Hui Liu to Max Sprague re: hiring James Hite	AD00006148	AD00006148		Not Categorized - Withdrawn	
15	Broadstorm Meeting Minutes, Week September 18, 2000	AD00006167	AD00006167	M		
16	Email from Hui Liu to Matt Ocko re: hiring Pal Meiyappan	AD00006200	AD00006201	M	402, 403, 106	Overruled
17	Email from Liu to Mu re FW: director/VP business development and marketing, dated September 20, 2000	AD00006218	AD00006220	M		
18	Email from Liu to Sprague re RE: Confidential, dated September 20, 2000	AD00006237	AD00006237	M		
19	Email from Hui Liu to Pal Meiyappan re: job offer	AD00006250	AD00006252	M	Withdrawn	
20	Email with Hite Broadstorm Offer Letter	AD00006293	AD00006294	M		
21	Email from Hui Liu re hiring Jim Hite	AD00006313	AD00006313	M		
22	Broadstorm Confidentiality Agreement	AD00006339	AD00006340	M		
23	Email from Liu to Hite re: more questions	AD00006357	AD00006358	M		
24	Broadstorm Journal 9/25	AD00006361	AD00006361	M	Withdrawn	
25	Email from Sprague to Liu congratulating successful recruitment of Hite for Broadstorm	AD00006470	AD00006470	M		
26	Email from Hui Liu re James Hite Signing Bonus	AD00006471	AD00006471	M		
27	High-Speed Wireless Access: The Broadstorm Solution, Liu presentation	AD00006522	AD00006531	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
28	Email from Hui Liu re: Job offers	AD00006614	AD00006614	M	Withdrawn	
29	Email from Hui Liu to Xiaodong Li re: Liang and Matt	AD00006666	AD00006666	M	Withdrawn	
30	Email from Hui Liu re: hiring network architect	AD00006668	AD00006668	M	Withdrawn	
31	Email from liu to Vendetti re: hiring Hong from AT&T	AD00006845	AD00006845	M	Withdrawn	
32	Liang Hong Resume	AD00006846	AD00006848	M	Not Categorized - Withdrawn	
33	Email from Hui Liu re: job offer to Liang Hong	AD00006858	AD00006860	M	Withdrawn	
34	Email from Hui Liu to Matt Ocko re: hiring	AD00006897	AD00006898	M	Not Categorized - Withdrawn	
35	Email from Hui Liu to Matt Ocko re: Spectrum Wireless	AD00006905	AD00006906	M	Not Categorized - Withdrawn	
36	Email from Hui Liu re: phone plan	AD00006911	AD00006912	M	Withdrawn	
37	Email from Liu to Ocko re: hiring from AT&T	AD00006987	AD00006987	M		
38	Email from Hui Liu to Pal Meiyappan re: WCS band	AD00007026	AD00007026	M	Withdrawn	
39	Email from Liu subject line MIMO-OFDM and Hong Consultant agreement attached	AD00007040	AD00007043	M	Not Categorized - Withdrawn	
40	Consulting Agreement between Broadstorm and Liang Hong	AD00007044	AD00007057	M	Not Categorized -	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
					Withdrawn	
41	Email from Hui Liu to Xiaodong Li re: Liang Start Date	AD00007232	AD00007232	M	Not Categorized - Withdrawn	
42	Email from Hui Liu to Lee Zhang re: finding local law firm for employment issues	AD00007280	AD00007280	M		
43	Email from Hui Liu re: mobile market	AD00007303	AD00007303	M		
44	Email from Hui Liu to Matt Ocko re: BeamReach Networks	AD00007349	AD00007351	M	Not Categorized - Withdrawn	
45	Email from Hui Liu to Xiaodong Li re: non-compete agreements	AD00007354	AD00007354	M	Withdrawn	
46	Email from Jifu Huang re: 1.8 GHz terminal schematic review	AD00008057	AD00008060	M	Withdrawn	
47	Email from Jifu Huang re: 1.8 GHz terminal schematic review with summary	AD00008250	AD00008251	M		
48	Email from Tony Wong with comments re: 1.8 GHz terminal schematic review	AD00008783	AD00008786	M		
49	Email from Fuqi Mu re: designs	AD00008787	AD00008788	M		
50	Email from Meiyappan re: equipment spreadsheet	AD00009029	AD00009032	M		
51	Email from Haiming Huang re: Minutes of Network Discussion	AD00031914	AD00031914	M	Withdrawn	
52	Email from Fuqi Mu re: Jim Hite leaving Broadstorm	AD00039039	AD00039039	M	Not Categorized - Withdrawn	
53	Email re Liang Hong Broadstorm Start Date	AD00042780	AD00042780	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
54	Broadstorm Business Plan	AD00056944; ADAP-ITC-D&R100004497; ADITC0061674	AD00056988; ADAP-ITC-D&R100004544; ADITC0061721	M	Not Categorized - Withdrawn	
55	CPE 1.5 Functional Specification Version 1.0	AD00069183	AD00069197	M	Not Categorized - Withdrawn	
56	Hujun Yin Resume	AD00175452	AD00175456	M	Not Categorized - Withdrawn	
57	Broadstorm Air Interface Specification Volume 1-Physical Layer	AD00178241; ADITC2541201	AD00178269; ADITC2541234	M	Not Categorized - Withdrawn	
58	Broadstorm Amended and Restated Certificate of Incorporation	AD00213740	AD00213767	M	Not Categorized - Withdrawn	
59	Broadstorm Network Architecture Document Version 1.0	AD00273676	AD00273735	M	402, 403, 901	Overruled
60	Email from Xiaodong Li re: summarizing CPE/Basestation configuration	AD00306160	AD00306161	M	402, 403	Overruled
61	Email from Liang Hong to Broadstorm Management re: Project Angel Info	AD00306523	AD00306523	M	Withdrawn	
62	Broadstorm 1800 MHz TDD Wireless Access System, Hardware Design Document	AD00422788	AD00422834	M		
63	Spreadsheet indicating Hite started employment on 10/18	AD00469814	AD00469827	M	Not Categorized - Withdrawn	
64	Email from Hui Liu re: Compensation proposal	AD00518787	AD00518787	M	Not Categorized -	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
					Withdrawn	
65	List of Employees	AD00518871	AD00518880	M	Not Categorized - Withdrawn	
66	444 Patent Application	AD00538808	AD00538849	M		
67	Agreement of Executive Committee and Unitholders of SDR Holdings LLC	AD00558165	AD00558166		Not Categorized - Withdrawn	
68	Adaptix Entity Relationships	AD00559446	AD00559447		Not Categorized - Withdrawn	
69	Broadstorm Employment Offer to Liang Hong	AD00561534	AD00561535	M		
70	Email from Pal Meiyappan re: his start date with Broadstorm	AD00586960	AD00586960	M		
71	Email from Young to Pisterzi re RE: Quick Question BY, dated May 2, 2008	AD00769823	AD00769824	M	Not Categorized - Withdrawn	
72	An OFDM-based Wireless Internet Access System	AD00950463	AD00950495	M	Not Categorized - Withdrawn	
73	Email from Xiaodong Li re: meeting minutes	AD00952803	AD00952803	M	Not Categorized - Withdrawn	
74	Email from Xing re Welcome to Broadstorm	AD00963072	AD00963072	M		
75	Gesbert, Smart Antennas for Broadband Wireless Access Networks	AD01219645; INV_00005315	AD01219662; INV_00005323	M	Not Categorized - Withdrawn	
76	AT&T Airlink 1.8 Interface Control	AD01258082	AD01258266	M	Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Document Revision 0.5					
77	AT&T Airlink 2.0 Interface Control Draft	AD01258267	AD01258520	M	Withdrawn	
78	Email with AT&T Chapter 2 Physical Layer Attachment	AD01258522	AD01258594	M	Withdrawn	
79	Chapter 2: Physical Layer AT&T Interface Control Document	AD01258523; AD01258596	AD01258594; AD01258667	M	Withdrawn	
80	Email from Vafa Ghazi re: Draft Version of AICD Chapter 2	AD01258595	AD01258595	M	Withdrawn	
81	AT&T Framework for Advanced Radio Resource Management Within the FWS Network	AD01265941	AD01265974	M	Withdrawn	
82	Email from Dave Gibbons re: Elliott Hoole Leaving AT&T	AD01266093	AD01266093	M	Withdrawn	
83	Email re: 2001 Planning	AD01268685	AD01268685	M	Withdrawn	
84	Email from Jeff Harrang to Liang Hong and Kamy Moinzadeh re: Patent Application	AD01268769	AD01268769	M	Withdrawn	
85	Email from Liang Hong re: Job Application	AD01268773	AD01268773	M	Withdrawn	
86	Email from Kamyar Moinzadeh re: System Architecture Document	AD01270039	AD01270039	M	Withdrawn	
87	Email from Mike Hirano to Liang Hong AICD 2 Revisions	AD01270711	AD01270711	M	Withdrawn	
88	AT&T FWS Voice Capacity Analysis	AD01271241; AD01271270	AD01271268; AD01271297	M	Withdrawn	
89	Email with Employee Phone & Email list	AD01271350	AD01271351	M	Withdrawn	
90	Patent Detail by Inventor	AD01272820	AD01272820	M	Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
91	AT&T Invention Disclosure for Patent Review	AD01272878	AD01272879	M	Withdrawn	
92	Patent Application Draft - Method for Communication in a Personal Wireless Access Network	AD01272880	AD01272893	M	Withdrawn	
93	Email re: VoIP/Fixed Wireless Roadmap	AD01276144	AD01276144	M		
94	FWS Migration to VoIP Roadmap	AD01276145	AD01276149	M	Withdrawn	
95	AT&T Resource Allocation Architecture Draft Revision 0.5	AD01284735	AD01284856	M	Withdrawn	
96	AT&T WCS RU RF, Hardware Design Document	AD01285257	AD01285342	M	Withdrawn	
97	AT&T Data Services: Airlink MAC Layer Proposal	AD01293039	AD01293055	M	Withdrawn	
98	AT&T PWAN Airlink Interface Control Document	AD01298897	AD01299366	M	Withdrawn	
99	AT&T FWS High Speed Data System Functional Specification	AD01299957	AD01300292	M	Withdrawn	
100	Angel Broadband Wireless Technology Overview	AD01301533	AD01301534	M	Withdrawn	
101	AT&T Base 1.5 Product Requirements draft review copy, Revision 0.5, dated November 5, 1999	AD01302067	AD01302094	M		
102	AT&T FWS System Architecture Document 2.0	AD01303223	AD01303346	M		
103	AT&T Fixed Wireless System System Architecture	AD01315013	AD01315037	M	Withdrawn	
104	Email from Liang Hong to David	AD01326149	AD01326149	M	Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Rostowsky re: Task Architecture					
105	Code	AD01326150	AD01326161	M	Withdrawn	
106	Email from Liang Hong to Xiaodong Li re: recruiting and scheduling	AD01326162	AD01326162	M		
107	Event Invitation from Julia Busono re: March Patent/Invention Review	AD01333756	AD01333756	M	Withdrawn	
108	AT&T Local Service Operational Readiness Testing	AD01333777	AD01333778	M		
109	Email from Don Wahlstrom re: AICD 2.0 Review	AD01334364	AD01334364	M	Withdrawn	
110	Email from Li re: Mac implementaiton meeting	AD01402343	AD01402343	M	Withdrawn	
111	Broadstorm '444 Patent Application White Paper	AD01426065	AD01426080	M		
112	Alamouti, "A Simple Transmit Diversity Technique for Wireless Communications", by S. Alamouti, IEEE Journal on Select Areas in Communications, vol. 16, no. 8, dated October 1998	AD01576199; ADITC1095846	AD01576206; ADITC1095853	M	Not Categorized - Withdrawn	
113	Adaptix Chart re: Broadstorm's Acquisition of Assets & IP	AD02292898	AD02292898		Not Categorized - Withdrawn	
114	Email from Trond Johannessen to nick Thomas re: Adaptix contract breach	AD02349082	AD02349085	M	Withdrawn	
115	European Patent No. 0,929,202 (ten Brink '202)	AD02626913 FUL002008; ADAP 08841171	AD02626925 FUL002020; ADAP 08841183	M	Not Categorized - Withdrawn	
116	U.S. Patent No. 7,146,172	ADAP 00000239	ADAP 00000256	E	None	
117	Certified Copy of US Patent 6,870,808	ADAP 00000550;	ADAP 00000564;	M	None	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
		ADAP-ITC-D&R100003385; ADITC0000001	ADAP-ITC-D&R100003400; ADITC0000016			
118	808 File History	ADAP 00000565	ADAP 00001169	E	None	
119	U.S. Patent No. 7,072,315	ADAP 00001548 MF000005; INV_00000524; ADAP-ITC-D&R100004825; ERIC-ITC00328379	ADAP 00001565 MF000022; INV_00000541; ADAP-ITC-D&R100004842; ERIC-ITC00328396	M	402, 403 the '315 patent is not prior art	Court will take under advisement
120	283 File History	ADAP 00002193	ADAP 00002740	E	None	
121	Patent License Agreement executed between Adaptix, Inc. and Nokia Siemens Network B.V. on December 21, 2012	ADAP 00190222A; ADITC0002426	ADAP 00190271A; ADITC0002477	E	None	
122	U.S. Patent No. 6,904,283	ADAP 00194373	ADAP 00194394	E	None	
123	Email from Taub to Fricke, et al. re Adaptix/Acacia/MSFT/Samsung Agreements, dated November 23, 2011	ADAP 00194989; MS_ADAPTIX001255	ADAP 00195171; MS_ADAPTIX001256	M	Not Categorized - Withdrawn	
124	Agreement and Plan of Merger Adaptix, Acacia Research group, Apollo Patent Co	ADAP 00194990; ADAP 00255601	ADAP 00195055; ADAP 00255762	M	None	
125	Disclosure Schedules to Agreement and Plan of Merger Among Adaptix, Acacia, and Apollo	ADAP 00195056	ADAP 00195088	M	None	
126	Acacia Research Group Unaudited Balance Sheet	ADAP 00195118	ADAP 00195119	M	Not Categorized - Withdrawn	
127	Patent Purchase Agreement between Microsoft and Adaptix	ADAP 00195120; ADAP 00235384	ADAP 00195134; ADAP00235398	M	None	
128	Adaptix Netgear Patent Purchase		ADAP00208013	M	Not	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Agreement	ADAP 00208001			Categorized - Withdrawn	
129	Adaptix Overview August 2011	ADAP 00208230	ADAP 00208262	M	Not Categorized - Withdrawn	
130	Adaptix Contact Log Summary - Preliminary Draft	ADAP 00220846	ADAP 00220856	M	Not Categorized - Withdrawn	
131	Email from Mike Pisterzi re: Essential Patents	ADAP 00222718	ADAP 00222721	M	Not Categorized - Withdrawn	
132	Email from Edward Treska to Dodd re: Samsung Agreements	ADAP 00243383	ADAP 00243386	M	Not Categorized - Withdrawn	
133	Confidential Licensing Agreement entered into as of November 15, 2011 between Samsung Electronics Co., Ltd., and Apollo Patent Corp.	ADAP 00243478; ADAP 00243781	ADAP 00243514; ADAP 00243817	M	None	
134	Adaptix-Clearwire 3-1 Disclosures	ADAP 00244665	ADAP 00244740	M	Not Categorized - Withdrawn	
135	Settlement Agreement between Adaptix and Clearwire	ADAP 00245592; ADAP 00234613	ADAP 00245633; ADAP00243514	M	None	
136	Email from Grossman re: patent values	ADAP 00247214	ADAP 00247214	M	Withdrawn	
137	Adaptix, Inc. Patent Classification Matrix	ADAP 00247215	ADAP 00247226		Withdrawn	
138	Email from Wernik to Dodd re: Wireless Testing	ADAP 00249946	ADAP 00249946	M	402, 403, 502, 802	
139	Wireless Testbed Quotation for Acacia/Adaptix LTE Patents	ADAP 00249947	ADAP 00249953	M	402, 403, 502	
140	Imetrix Testing Quotation	ADAP 00249954	ADAP 00249956	M	402, 403, 502	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
141	WaveJudge 9400A LTE Test and Measurement Tools	ADAP 00249957	ADAP 00249965	M	402, 403, 502	
142	Global Intellectual Strategies, "Verification of Infringement of Acacia/Adaptix Patents from family 2 and 3: Live Test Cases," Revision 2.0, April 10, 2012	ADAP 00250379	ADAP 00250414	M	402, 403, 502, 701	
143	Smartphone Samsung Licensing Agreement	ADAP 00255334	ADAP00255366	M	402, 403	
144	Confidential Licensing Agreement entered into as of November 21, 2011 between Microsoft Corporation, Acacia Research Group LLC, and Apollo Patent Corp.	ADAP 00255485; ADAP 08669378; ADAP 00257214	ADAP00255521; ADAP08669414; ADAP 00257250	M	None	
145	Email from Safabakhsh to Key re Everscore Sale Process: Adaptix, attaching Adaptix Teaser_FINAL and Adaptix NDA 110503, dated June 20, 2011	ADAP 00257835	ADAP 00257874	M	Not Categorized - Withdrawn	
146	Adaptix Corporate Overview	ADAP 00295232	ADAP 00295243	M	None	
147	Email from Nick Thomas to Lori Hicks re Adaptix IPR Coverage	ADAP 00320619	ADAP 00320633	M	Withdrawn	
148	Spreadsheet re: Adaptix Patents	ADAP 00320620	ADAP 00320626	M	Withdrawn	
149	Spreadsheet re: Adaptix Patents	ADAP 00320627	ADAP 00320631	M	Withdrawn	
150	Adaptix Patent Valuation Estimate, dated July 8, 2006	ADAP 00320632	ADAP 00320633	M	Withdrawn	
151	Email from Pisterzi to Manning re Re: Thoughts, dated November 20, 2011	ADAP 00898449	ADAP 00898449	M	None	
152	Email from Trond Johannessen re: Customer profile	ADAP 00994449	ADAP 00994451	M	Not Categorized - Withdrawn	
153	3GPP TS 25.214	ADAP 01148746	ADAP 01148792	M	Not	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
					Categorized - Withdrawn	
154	Email from Reudink to Yuan, et al. re Kyocera/Action item, dated June 29, 2005	ADAP 05557239	ADAP 05557241	M	Not Categorized - Withdrawn	
155	3GPP TS 36.211 version 8.9.0 Release 8	ADAP 08322302; ALAD-01389115; MF 061654	ADAP 08322384; ALAD-01389125; MF 61664	M	None	
156	Global Intellectual Strategies,"Verification on Infringement of US 6,870,808 in a Live Network," Revision 0.1, October 2012	ADAP 08332533	ADAP08332546	M	502	
157	Adaptix Interrogatory Responses (Nos. 10, 11, 13, 22, 23, 24, 25, 28, and 29) in unidentified case	ADAP 08332635	ADAP08332655	M		
158	Adaptix Corporate Strategy & Product Launch, dated June 2006	ADAP 08346474	ADAP 08346495	M	Not Categorized - Withdrawn	
159	Email from Tim Montgomery to Trond Johnassen re Product eval Agreement between Adaptix and Wevoli	ADAP 08351250	ADAP 08351257	M	Not Categorized - Withdrawn	
160	Adaptix Confidential Executive Summary	ADAP 08352342	ADAP 08352353	M	None	
161	Adaptix Patent Valuation Estimates Spreadsheet, dated September 24, 2007	ADAP 08352928	ADAP 08352928	M	Withdrawn	
162	Adaptix NewHorizon User Terminal v2.0 Marketing Requirements Document version 0.95, dated April 26, 2005	ADAP 08440771	ADAP 08440790	M	Not Categorized - Withdrawn	
163	PhD Final Presentation, Yin	ADAP 08495988 ADITC0165694; ADAP-ITC- D&R100008149	ADAP08495988AD ITC0165767; ADAP-ITC- D&R100008222	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
164	Adaptix Air Interface Specifications, Volume 1 (Physical Layer)	ADAP 08506958	ADAP08506987	M	Not Categorized - Withdrawn	
165	Kapoor, Adaptive Interference Suppression in Multiuser Wireless OFDM Systems	ADAP 08526371; INV_00000201 FUL002441	ADAP 08526381; INV_00000211 FUL002452	M	Not Categorized - Withdrawn	
166	Email from Nataraj to Pisterzi and Montgomery re Patent Analysis	ADAP 08678816	ADAP 08678816	M	Withdrawn	
167	Adaptix Patent Infringement Analysis by Lycklama	ADAP 08678817	ADAP 08678827	M	Withdrawn	
168	Email from Pisterzi re: Updated patent value estimates	ADAP 08679206	ADAP 08679207	M	Withdrawn	
169	Adaptix Patent Infringement Analysis by Lycklama	ADAP 08679208	ADAP 08679219	M	Withdrawn	
170	Adaptix Patent Valuation Estimate Spreadsheet	ADAP 08679220	ADAP 08679220	M	Withdrawn	
171	ADAPTIX Patents & 802.16e Infringement Analysis	ADAP 08679714; LYCKLAMA156330	ADAP 08679723; LYCKLAMA156339	M	Withdrawn	
172	Email re Evaluation of Adaptix Patent Portfolio	ADAP 08680963	ADAP 08680964	M	Withdrawn	
173	Email from Lycklama to Pisterzi, et al. re WiMAX PR Policy, dated March 13, 2006	ADAP 08810348	ADAP 08810350	M	403	Sustained
174	Letter of Assurance for Necessary Claims to IEEE re 802.16, dated April 27, 2007	ADAP 08834180; ADAP-ITC-D&R100006284; ADITC0521490	ADAP 08834181; ADAP-ITC-D&R100006285; ADITC0521491	M	403	Sustained
175	Amendment to Addendum A to Licensing Agreement between Samsung and Adaptix	ADAP 08836807	ADAP 08836813	M	None	
176	Handwritten Notes re: Adaptix UE Captive	ADAP 08886263	ADAP 08886307	M	Not	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Testing (Reproduced after Clawed back)				Categorized - Withdrawn	
177	Verizon 2013 Annual Report	ADAP-EXP_122_GREEN_2509	ADAP-EXP_122_GREEN_2584	M	None	
178	Email from Liu to Li re references, attaching modified BRDSTRM P001 PatAppv7, dated October 18, 2000	ADAP-ITC-D&R100004130; ADITC0008341	ADAP-ITC-D&R100004133; ADITC0008343	M	Not Categorized - Withdrawn	
179	Brief on OFDMA/TDD, dated February 1, 2004	ADAP-ITC-D&R100004317; ADITC1827121	ADAP-ITC-D&R100004496; ADITC1827300	M	Not Categorized - Withdrawn	
180	Adaptix, Inc. IP Map	ADAP-ITC-D&R100004545; ADITC1439773	ADAP-ITC-D&R100004548; ADITC1439776	M	Not Categorized - Withdrawn	
181	Adaptix OFDMA patent filings and IEEE 802.16, dated March 23, 2005	ADAP-ITC-D&R100004579; ADITC1497485	ADAP-ITC-D&R100004582; ADITC1497487	M	Not Categorized - Withdrawn	
182	Email from Lycklama to Young re WIMAX Patent Study, dated January 9, 2007	ADAP-ITC-D&R100004583; ADITC1682352	ADAP-ITC-D&R100004583; ADITC1682352	M	Not Categorized - Withdrawn	
183	IEEE 802.16 Broadband Wireless Access Working Group, "Contributions to the MBWA PAR - the Scope of the Project Should be Inclusive to TDD Schemes" re: Call for contributions, document IEEE 802.16-02/13r1	ADAP-ITC-D&R100004593; ADITC0476355	ADAP-ITC-D&R100004594; ADITC0476356	M	Not Categorized - Withdrawn	
184	Email from Lycklama to Young, et al re New IEEE Patent Policy - April 30th, dated March 18, 2007	ADAP-ITC-D&R100004901; LYCKLAMA144730	ADAP-ITC-D&R100004901; LYCKLAMA144730	M	Not Categorized - Withdrawn	
185	"What you need to know about the new	ADAP-ITC-	ADAP-ITC-	M	Not	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	IEEE-SA patent policy" presentation by David Law 2007 Chair, IEEE-SA Standards Board Patent Committee (PatCom)	D&R100004902; LYCKLAMA144731	D&R100004938; LYCKLAMA144767		Categorized - Withdrawn	
186	"Overview of IEEE_SA Process and Patent Policy Changes" presentation by Robert M. Grow Chair, IEEE 802.3 Working Group, dated March 12, 2007	ADAP-ITC- D&R100004939; LYCKLAMA144768	ADAP-ITC- D&R100004948; LYCKLAMA144777	M	Not Categorized - Withdrawn	
187	IEEE-SA Standards Board Bylaws Section 6. Patents	ADAP-ITC- D&R100004949; LYCKLAMA144778	ADAP-ITC- D&R100004952; LYCKLAMA144781	M	Not Categorized - Withdrawn	
188	Letter of Assurance Process Flowchart, Intended to guide Working Group Chairs in soliciting and processing Letters of Assurance regarding essential patents	ADAP-ITC- D&R100004953; LYCKLAMA144782	ADAP-ITC- D&R100004954; LYCKLAMA144783	M	Not Categorized - Withdrawn	
189	Letter of Assurance for Essential Patents for Runcom Technologies LTD. and/or Zion Hadad Comm LTD, executed on March 9, 2002	ADAP-ITC- D&R100004955; LYCKLAMA144784	ADAP-ITC- D&R100004955; LYCKLAMA144784	M	Not Categorized - Withdrawn	
190	Letter of Assurance for Essential Patents Form (blank form)	ADAP-ITC- D&R100004956; LYCKLAMA144785	ADAP-ITC- D&R100004957; LYCKLAMA144786	M	Not Categorized - Withdrawn	
191	Letter of Assurance for Essential Patents Claims Form (blank form)	ADAP-ITC- D&R100004961; LYCKLAMA144787	ADAP-ITC- D&R100004963; LYCKLAMA144789	M	Not Categorized - Withdrawn	
192	IEEE-SA Standards Board Operations Manual Section 6.3 Patents, dated December 6, 2006	ADAP-ITC- D&R100004964; LYCKLAMA144790	ADAP-ITC- D&R100004966; LYCKLAMA144792	M	Not Categorized - Withdrawn	
193	Adaptix presentation "Adaptix - Patents & Standards" by Dr. Heinz Lycklama, dated March 20, 2006	ADAP-ITC- D&R100004967; ADITC2318766	ADAP-ITC- D&R100005017; ADITC2318816	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
194	Email from Lycklama to Young re Decision on IEEE802.16 Meetings, dated April 26, 2007	ADAP-ITC-D&R100005018; LYCKLAMA148080	ADAP-ITC-D&R100005018; LYCKLAMA148080	M	Not Categorized - Withdrawn	
195	PatCom Administrator from Pisterzi dated April 27, 2007 for Letter of Assurance for Necessary Claims Patent Holder Adaptix	ADAP-ITC-D&R100005019; LYCKLAMA153013	ADAP-ITC-D&R100005022; LYCKLAMA153015	M	Not Categorized - Withdrawn	
196	Letter from Lycklama to Young re IPR work for Adaptix during the month of February 2007, dated March 3, 2007	ADAP-ITC-D&R100005027; LYCKLAMA144890	ADAP-ITC-D&R100005027; LYCKLAMA144890	M	Not Categorized - Withdrawn	
197	Letter from Lycklama to Young re IPR work for Adaptix during the month of July 2007, dated August 3, 2007	ADAP-ITC-D&R100005028; LYCKLAMA148055	ADAP-ITC-D&R100005028; LYCKLAMA148055	M	Not Categorized - Withdrawn	
198	Adaptix Patent P015 & 802.16e Infringement Analysis by Dr. Heinz Lycklama, dated June 16, 2006	ADAP-ITC-D&R100005029; ADITC2317316	ADAP-ITC-D&R100005036; ADITC2317323	M	Withdrawn	
199	Adaptix Patent P015 & 802.16e Infringement Analysis by Dr. Heinz Lycklama includes handwritten notations, dated June 16, 2006	ADAP-ITC-D&R100005037; LYCKLAMA230449	ADAP-ITC-D&R100005044; LYCKLAMA230456	M	Withdrawn	
200	Email from Lycklama to Young re Re: Conduct during WiMAX Forum meetings, dated January 27, 2007	ADAP-ITC-D&R100005060; LYCKLAMA148082; LYCKLAMA148084	ADAP-ITC-D&R100005061; LYCKLAMA148083 ; LYCKLAMA148084	M	Not Categorized - Withdrawn	
201	Email from Pisterzi to Glordano, et al. re RE: Suppliers Agree to LTE Patent Terms, dated April 15, 2008	ADAP-ITC-D&R100006379; ADITC0558140	ADAP-ITC-D&R100006379; ADITC0558140	M	402, 403	Sustained
202	Adaptix, Google, and Motorola Settlement Agreement	ADAP-MOTO-01	ADAP-MOTO-50	M	None	
203	Email from Liu to Pisterzi re IEEE meeting	ADAP-VRZ00003713	ADAP-	M	Not	

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	in Portland, dated April 30, 2007		VRZ00003714		Categorized - Withdrawn	
204	Consulting Agreement between Adaptix and Hui Liu	ADITC_DC_00042770; 871_LIU_00042	ADITC_DC_00042775; 871_LIU_00047	M	Not Categorized - Withdrawn	
205	Dynamic Scheduling in Antenna Array Packet Radio	ADITC_DC_00050308; ADAP-ITC-D&R1000008093; ERIC-ITC00331703	ADITC_DC_00050312; ADAP-ITC-D&R1000008097; ERIC-ITC00331707	M	Not Categorized - Withdrawn	
206	PhD Final Presentation, Yin	ADITC0165694; ADAP-ITC-D&R100008149	ADITC0165767; ADAP-ITC-D&R100008222	M		
207	Email from Hui Liu to Matt Ocko re: mSpectrum proposal	ADITC0167707	ADITC0167708	M	Not Categorized - Withdrawn	
208	Letter from Montgomery to Christiansen Re: Adaptix, Inc. WiMAX Forum Membership, dated March 30, 2007	ADITC0504281	ADITC0504281	M	Not Categorized - Withdrawn	
209	System MAC PHY Phase Coding Protocol diagram	ADITC1438300; ADAP-ITC-D&R100004549	ADITC1438300; ADAP-ITC-D&R100004549	M	Not Categorized - Withdrawn	
210	Adaptix news release "New 4G-#G Interworking Patent Awarded to Adaptix"	ADITC1837584	ADITC1837585	M	None	
211	Email from Dodd re: Project Angel and Liu	ADITC1877823; ADAP 00244316	ADITC1877824; ADAP 00244317	M	Withdrawn	
212	Adaptix Investor Presentation Baker Capital \$5M Series A Tranche Release New York, dated October 17, 2005	ADITC2070376	ADITC2070420	M	Not Categorized - Withdrawn	
213	Cross Layer Design and Optimization of	ADITC2072009;	ADITC2072150;	M	Not	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Wirless Networks, Hujun Yin	ADAP-ITC-D&R100008273	ADAP-ITC-D&R100008414		Categorized - Withdrawn	
214	Adaptix Overview presentation	ADITC2078106	ADITC2078145	M	None	
215	Email from Thomas to Down re FW: Marketing/PM Status 6/19/06, dated June 21, 2006	ADITC2125747	ADITC2125749	M	Not Categorized - Withdrawn	
216	Email from Taub to Key re RE: Evercore Sale Process: Adaptix, dated June 24, 2011	ADITC2140048	ADITC2140050	M	403	Sustained
217	Charts re: Monthly Business Expenses	ADITC2794489	ADITC2794505	M	402, 403	Overruled
218	Broadstorm Mobile Phone Migration Proposal	ADITC2794506	ADITC2794516	M	Not Categorized - Withdrawn	
219	"Samsung Smart LTE Solution Promises More Intelligent 4G Service Offering", Samsung U.S. News Press Release (http://www.samsung.com/us/news/19829)	ADITC2825377	ADITC2825378	M	Not Categorized - Withdrawn	
220	Radix Technologies Backup Slides	AGEE-0000649	AGEE-0000666	M	402, 403, 802	Sustained, but may reraise before RWS
221	Radix Technologies Orion 2 Spreading/Dispreading Algorithms - High-Level Algorithm Description, v.4 (Bid Purposes Only), dated April 7, 1995	AGEE-0000746	AGEE-0000785	M	402, 403, 802	Sustained, but may reraise before RWS
222	Radix Array-Based Techniques for Wireless Telephony, dated April 25, 1995	AGEE-0000786	AGEE-0000816	M	402, 403, 802	Sustained, but may reraise before RWS

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223	Radix End-to-End Simulator Development Simulator Description v.2, dated January 30, 1995	AGEE-0000817	AGEE-0000841	M	402, 403, 802	Sustained, but may reraise before RWS
224	Code Nulling Algorithms Baseline Forward Link Algorithm Summary, dated December 2, 1994	AGEE-0000842	AGEE-0000882	M	402, 403, 802	Sustained, but may reraise before RWS
225	Radix ORION Phase A Algorithm CDR Network Access Algorithms, dated February 28, 1996	AGEE-0001012	AGEE-0001046	M	402, 403, 802	Sustained, but may reraise before RWS
226	Radix ORION Phase 1 High Level Algorithm Description, v.3 Quadrant Sectorization Strategy, dated July 5, 1995	AGEE-0001375	AGEE-0001464	M	402, 403, 802	Sustained, but may reraise before RWS
227	Radix Technologies Topics presentation, dated March 1998	AGEE-0001465	AGEE-0001486	M	402, 403, 802	Sustained, but may reraise before RWS
228	Radix ORION Phase A Algorithms Final Design Review, dated July 17, 1996	AGEE-0002219	AGEE-0002244	M	402, 403, 802	Sustained, but may reraise before RWS
229	Radix BACKTALK Baseline System Concept, v.2, dated November 14, 1995	AGEE-0002356	AGEE-0002420	M	402, 403, 802	Sustained, but may reraise before RWS
230	Radix FDU Build 2 Spreading/Dispersing Algorithms Version 2e, dated July 25,	AGEE-0002564	AGEE-0002638	M	402, 403, 802	Sustained, but may

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	1995					reraise before RWS
231	Radix ORION Phase A Algorithms Final Design Review Algorithms Overview, dated July 17-18, 1996 (FDR Date)	AGEE-0002731	AGEE-0002764	M	402, 403, 802	Sustained, but may reraise before RWS
232	Radix FDU Build 2 Spreading/Dispersing Algorithms by Minnie HO, Version 2h*, dated September 18, 1995	AGEE-0003261	AGEE-0003336	M	402, 403, 802	Sustained, but may reraise before RWS
233	The Scalable Wireless Access Network SCSS Background, Radix	AGEE-0004295	AGEE-0004322	M	402, 403, 802	Sustained, but may reraise before RWS
234	LTE Parameters User Guide	ALAD-00000001	ALAD-0001105	M	None	
235	ALU LTE RRM DL Dynamic Scheduler 9/10/2012	ALAD-00047687	ALAD-00048038	E	None	
236	Lawrey, Adaptive Frequency Hopping for Multiuser OFDM	ALAD-00048828; ADAP 00912455	ALAD-00048832; ADAP 00912459	M	Not Categorized - Withdrawn	
237	"An Efficient Multiuser Loading Algorithm for OFDM-based Broadband Wireless Systems" Yin and Liu	ALAD-00048895	ALAD-00048899	M	Not Categorized - Withdrawn	
238	U.S. Patent No. 5,592,490, Barratt	ALAD-00048915 INV_00000396	ALAD-00048938 INV_00000419	M	None	
239	"Multiuser OFDM with Adaptive Subcarrier, Bit, and Power Allocation", by Cheong Yui Wong, et al., IEEE Journal on Selected Areas in Communications, vol. 17, issue 10, dated October 1999	ALAD-00049275	ALAD-00049299	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
240	Lawrey, Multiuser OFDM	ALAD-00049300; ALAD-00461876	ALAD-00049303; ALAD-00461879	M	Not Categorized - Withdrawn	
241	Vandenameele et al, A Novel Class of Uplink OFDM/SDMA Algorithms for WLAN	ALAD-00049309	ALAD-00049313	M	Not Categorized - Withdrawn	
242	Rohling, Performance Comparison of Different Multiple Access Schemes	ALAD-00049415; ALAD-00461968	ALAD-00049419; ALAD-00461972	M	Not Categorized - Withdrawn	
243	DE 198 00 953 Ritter	ALAD-00049892; INV_00000714	ALAD-00049903; INV_00000751	M	Not Categorized - Withdrawn	
244	Kim, Joonsuk, Spatial Multiuser Access OFDM with Antenna Diversity and Power Control	ALAD-00049937	ALAD-00049943	M	Not Categorized - Withdrawn	
245	"Subcarrier allocation and power control for OFDMA" Kivanc and Liu	ALAD-00049944	ALAD-00049948	M	Not Categorized - Withdrawn	
246	Toufik, Multiuser Channel Allocation Algorithms Achieving Hard Fairness	ALAD-00050057 MF 67278	ALAD-00050090 MF 67282	M	Not Categorized - Withdrawn	
247	U.S. Patent No. 5,867,478	ALAD-00050835	ALAD-00050872	M	Not Categorized - Withdrawn	
248	U.S. Patent No. 5,933,421, Alamouti	ALAD-00050976; INV_00003662; INV_00013898	ALAD-00051012; INV_00003698; INV_00013934	M	Not Categorized - Withdrawn	
249	U.S. Patent No. 6,041,237	ALAD-00051102	ALAD-00051110	M	Not Categorized - Withdrawn	

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250	U.S. Patent No. 6,067,290, Paulraj	ALAD-00051129 INV_00000445	ALAD-00051180 INV_00000496	M	Not Categorized - Withdrawn	
251	U.S. Patent No. 6,701,129	ALAD-00052178	ALAD-00052191	M	Not Categorized - Withdrawn	
252	U.S. Patent No. 6,944,120, Wu	ALAD-00052632; ALAD-00463646	ALAD-00052646; ALAD-00463660	M	Not Categorized - Withdrawn	
253	ALU Fundamentals of 3GPP LTE	ALAD-00054400	ALAD-00054577	M	Not Categorized - Withdrawn	
254	ALU LTE RAN Solution, LTE Scheduler Attributes	ALAD-00055183	ALAD-00055200	M	Not Categorized - Withdrawn	
255	4G Americas, The Path to 4G: LTE and LTE-Advanced	ALAD-00055201	ALAD-00055215	M	Not Categorized - Withdrawn	
256	Deployment Services NA Tier 1 Operators Experience and Proven Methodology	ALAD-00055246	ALAD-00055260	M	Not Categorized - Withdrawn	
257	ALU LTE Leadership	ALAD-00055556	ALAD-00055582	M	Not Categorized - Withdrawn	
258	Hagerman, Adaptive Antennas in IS-136 Systems	ALAD-00060515	ALAD-00060519	M	Not Categorized - Withdrawn	
259	"Advanced Antenna Systems for WCDMA: Link and System Level Results", by Göransson, et al., IEEE, dated 2000	ALAD-00060524; INV_00009937	ALAD-00060528; INV_00009941	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
260	Hillebrand, GSM and UMTS: The Creation of Global Mobile Communication	ALAD-00060529; INV_00009835 INV_00023485	ALAD-00060541; INV_00009847; INV_00024081	M	Not Categorized - Withdrawn	
261	Tangemann, Comparison of Upgrade Techniques	ALAD-00060930	ALAD-00060934	M	Not Categorized - Withdrawn	
262	Anderson, Adaptive Antennas for GSM and TDMA Systems	ALAD-00061317; INV_00006360	ALAD-00061320; INV_00006363	M	Not Categorized - Withdrawn	
263	M. Tangemann, Influence of the User Mobility on the Spatial Multiplex Gain of an Adaptive SDMA System	ALAD-00061321	ALAD-00061325	M	Not Categorized - Withdrawn	
264	"Evaluation of Novel Multi-Beam Antenna Configurations for TDMA (IS-136) Systems", by Hagerman, et al., IEEE, dated 1999	ALAD-00061346; INV_00006477	ALAD-00061350; INV_00006481	M	Not Categorized - Withdrawn	
265	Tangemann, Near-Far Effects in Adaptive SDMA	ALAD-00061351; INV_00006044	ALAD-000061355; INV_00006048	M	Not Categorized - Withdrawn	
266	Van Nee, OFDM for Wireless Multimedia Communications	ALAD-00061356; INV_0003361	ALAD-00061627; INV_0003632	M	Not Categorized - Withdrawn	
267	"ESPRIT - Estimation of Signal Parameters Via Rotations Invariance Techniques", by Roy and Kailtah, IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. 37, No. 7, dated July 1989	ALAD-00061646; INV_00000702	ALAD-00061657; INV_0000713	M	Not Categorized - Withdrawn	
268	Schmidt, Multiple Emitter Location and Signal Parameter Estimation	ALAD-00061663; INV_0000430	ALAD-00061667; INV_0000434	M	Not Categorized - Withdrawn	

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269	ETSI SMG2 TD 8/96, A Multi-Carrier Air Interface Based on OFDM, March 1, 1996 Bristol	ALAD-00061722; INV_00007213 INV_00000151	ALAD-00061729; INV_00007237; INV_00000158	M	Not Categorized - Withdrawn	
270	ETSI OFDMA Concept Evaluation, ETSI TR 101 146, V3.0.0	ALAD-00061741 INV_00001758	ALAD-0062429 INV_00002446	M	Not Categorized - Withdrawn	
271	U.S. Patent No. 5,828,658	ALAD-00062469; INV_00000159	ALAD-00062501; INV_00000191	M	Not Categorized - Withdrawn	
272	U.S. Patent No. 6,359,923	ALAD-00062607 INV_00003699	ALAD-00062850 INV_00003942	M	Not Categorized - Withdrawn	
273	"A Combined OFDM/SDMA Approach for WLAN", by Vandenameele et al., IEEE 49th Vehicular Tech. Conf., vol. 2	ALAD-00063224; ERIC-01243432	ALAD-00063228; ERIC-01243436	M	Not Categorized - Withdrawn	
274	Wahlqvist, Design and Evaluation of an OFDM-based Proposal	ALAD-00063254; INV_00000790	ALAD-00063371; INV_00000907	M	Not Categorized - Withdrawn	
275	"An SDMA Protocol for Wireless Multimedia Networks" Yin and Liu	ALAD-00064421	ALAD-00064424	M	Not Categorized - Withdrawn	
276	Yin, Dynamic Scheduling in Antenna Array Packet Radio	ALAD-00064425	ALAD-00064429	M	Not Categorized - Withdrawn	
277	Xu, Experimental Studies of Spatial Signature Variation	ALAD-00064545; DEFS-000047	ALAD-00064554; DEFS-000056	M	Not Categorized - Withdrawn	
278	Lin, Experimental Studies of SDMA Schemes for Wireless Communications	ALAD-00064559 DEFS_000082	ALAD-00064562 DEFS_000085	M	Not Categorized - Withdrawn	

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279	Xu, Experimental Studies of Space-Division-Multiple-Access Schemes for Spectral	ALAD-00064772; DEFS-000122	ALAD-00064776; DEFS-000126	M	Not Categorized - Withdrawn	
280	U.S. Patent No. 6,493,331 (Walton)	ALAD-00065257; INV_00017900	ALAD-00065307; INV_00017950	M	Not Categorized - Withdrawn	
281	"Orthogonal Frequency Division Multiplexing: A Multi-carrier Modulation Scheme," by Wu and Zou, IEEE Transactions on Consumer Electronics, vol. 41, issue 3, dated August 1995	ALAD-00065308	ALAD-00065315	M	Not Categorized - Withdrawn	
282	U.S. Patent No. 5,886,988	ALAD-00065316; INV_00005151	ALAD-0006534; INV_00005176	M	Not Categorized - Withdrawn	
283	ALU LTE RRM DL Dynamic UE Scheduler	ALAD-00134242	ALAD-00134427	M	None	
284	Mobile RAN Report 3Q13, Prepared by Dell'Oro	ALAD-00145620	ALAD-00145853	M	Not Categorized - Withdrawn	
285	Mobile RAN Report Five Year Forecast 2014-1018, Prepared by Dell'Oro	ALAD-00145854	ALAD-00145894	M	Not Categorized - Withdrawn	
286	ALU FDD eNodeB LTE Parameters User Guide	ALAD-00425536	ALAD-00427392	M	None	
287	U.S. Patent No. 5,726,978	ALAD-00462526; INV_00002573; INV_00014826	ALAD-00462545; INV_00002592; INV_00014845	M	Not Categorized - Withdrawn	
288	ALU 9400 LTE LA5.0 Radio Algorithm and Parameters Description	ALAD-00502439	ALAD-00502687	M	None	
289	Mouly, The GSM System for Mobile Communications	ALAD-00560985	ALAD-00561673	M	Not Categorized -	

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					Withdrawn	
290	Q1 2010 LTE Invoice Details	ALAD-00577290	ALAD-00577290	M	None	
291	Q1 2011 LTE Invoice Details	ALAD-00577291	ALAD-00577291	M	None	
292	Q1 2012 LTE Invoice Details	ALAD-00577292	ALAD-00577292	M	None	
293	Q2 2010 LTE Invoice Details	ALAD-00577293	ALAD-00577293	M	None	
294	Q2 2011 LTE Invoice Details	ALAD-00577294	ALAD-00577294	M	None	
295	Q2 2012 LTE Invoice Details	ALAD-00577295	ALAD-00577295	M	None	
296	Q3 2010 LTE Invoice Details	ALAD-00577296	ALAD-00577296	M	None	
297	Q3 2011 LTE Invoice Details	ALAD-00577297	ALAD-00577297	M	None	
298	Q3 2012 LTE Invoice Details	ALAD-00577298	ALAD-00577298	M	None	
299	Q4 2010 LTE Invoice Details	ALAD-00577299	ALAD-00577299	M	None	
300	Q4 2011 LTE Invoice Details	ALAD-00577300	ALAD-00577300	M	None	
301	Q4 2012 LTE Invoice Details	ALAD-00577301	ALAD-00577301	M	None	
302	Yin, Performance of Space-Division Multiple-Access with Scheduling	ALAD-0061668; ALAD-00064928	ALAD-00061675; ALAD-00064935	M	Not Categorized - Withdrawn	
303	Attachment H: Remote Radio Heads/Indoor Radio Units Characteristics	ALAD-01157396	ALAD-01157396	M	None	
304	ALU LTE eNode B Software Optional Feature Pricing	ALAD-01297752	ALAD-01297754	M	None	
305	Letter from Key to Godziela, dated October 13, 2013	ALAD-01541900	ALAD-01541900	M	Not Categorized - Withdrawn	
306	Requirement Applicability	ALAD-01553370	ALAD-01553395	M	Not Categorized - Withdrawn	
307	Requirement Applicability	ALAD-01553515	ALAD-01553605	M	Not Categorized - Withdrawn	
308	Hardware Prices	ALAD-01553689	ALAD-01553699	M	Not	

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					Categorized - Withdrawn	
309	Standards Participation Draft	ALAD-01554612	ALAD-01554628	M	Not Categorized - Withdrawn	
310	Wi-Lan ALU Settlement, Release and DSL Product Patent License Agmt	ALAD-01554652	ALAD-01554665	M	402, 403	Expert may rely on; not to be admitted
311	Confidential Settlement, Release and Patent License Agreement by and between Wi-LAN Inc. and Alcatel-Lucent S.A	ALAD-01554666	ALAD-01554679	M	402, 403	Expert may rely on; not to be admitted
312	Set-Off Agreement between WiLan and Alcatel Lucent	ALAD-01554680	ALAD-01554681	M	Not Categorized - Withdrawn	
313	2013 LTE Invoice Details	ALAD-01554938	ALAD-01554938	M	None	
314	2013 smallCell Invoice Detail	ALAD-01554939	ALAD-01554939	M	None	
315	ALU LTE RRM DL Dynamic Scheduler	ALAD-01559114	ALAD-01559463	E	Not Categorized - Withdrawn	
316	3GPP TSG RAN WG1 Meeting, "Downlink Control Signaling for MU-MIMO", January 2008, Sevilla, Spain	ALAD-01681581	ALAD-01681584	M	Not Categorized - Withdrawn	
317	TSG-RAN Working Group 4 (Radio) meeting # 57 / R4-104738	ALAD-01944531; VZW_0417128	ALAD-01944538; VZW_0417134	M	Not Categorized - Withdrawn	
318	TSG-RAN Working Group 4 (Radio) meeting AH#5 / R4 110061	ALAD-01947806; VZW_0417135	ALAD-01947807; VZW_0417136	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
319	Standards External Meeting Preparation Record, February 2004	ALAD-01977758	ALAD-01977761	M		
320	Standards External Meeting Preparation Record, August 2004	ALAD-01977768	ALAD-01977770	M		
321	Lucent Technologies Standards Trip Report, February 2004	ALAD-02052567	ALAD-02052583	M		
322	Lucent Technologies Standards Trip Report, May 2003	ALAD-02052593	ALAD-02052603	M		
323	Lucent Technologies Standards Trip Report, August 2003	ALAD-02052604	ALAD-02052620	M		
324	Lucent Technologies Standards Trip Report, October 2003	ALAD-02052621	ALAD-02052634	M		
325	Lucent Technologies Standards Trip Report, October 2003	ALAD-02052635	ALAD-02052648	M		
326	Lucent Technologies Standards Trip Report, November 2003	ALAD-02052649	ALAD-02052670	M		
327	Lucent Technologies Standards Trip Report, January 2004	ALAD-02052766	ALAD-02052778	M		
328	Lucent Technologies Standards Trip Report, October 2006	ALAD-02052786	ALAD-02052872	M		
329	Lucent Technologies Standards Trip Report, November 2006	ALAD-02053037	ALAD-02053120	M		
330	Lucent Technologies Standards Trip Report, June 2004	ALAD-02053737	ALAD-02053748	M		
331	Lucent Technologies Standards Trip Report, May 2004	ALAD-02053804	ALAD-02053820	M		
332	Lucent Technologies Standards Trip Report, September 2004	ALAD-02053868	ALAD-02053882	M		
333	Lucent Technologies Standards Trip Report, August 2004	ALAD-02053914	ALAD-02053923	M		

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334	Lucent Technologies Standards Trip Report, November 2000	ALAD-02054193	ALAD-02054215	M		
335	Lucent Technologies Standards Trip Report, November 2004	ALAD-02054416	ALAD-02054426	M		
336	Lucent Technologies Standards Trip Report, April 2002	ALAD-02054466	ALAD-02054472	M		
337	Lucent Technologies Standards Trip Report, May 2002	ALAD-02054473	ALAD-02054490	M		
338	Lucent Technologies Standards Trip Report, June 2003	ALAD-02054690	ALAD-02054698	M		
339	Lucent Technologies Standards Trip Report, August 2002	ALAD-02055049	ALAD-02055056	M		
340	Lucent Technologies Standards Trip Report, August 2001	ALAD-02055208	ALAD-02055216	M		
341	Lucent Technologies Standards Trip Report, February 2003	ALAD-02055632	ALAD-02055644	M		
342	Lucent Technologies Standards Trip Report, June 2002	ALAD-02055722	ALAD-02055739	M		
343	Lucent Technologies Standards Trip Report, September 2002	ALAD-02055753	ALAD-02055761	M		
344	Lucent Technologies Standards Trip Report, November 2003	ALAD-02057384	ALAD-02057400	M		
345	Lucent Technologies Standards Trip Report, December 2003	ALAD-02057732	ALAD-02057735	M		
346	Lucent Technologies Standards Trip Report, February 2002	ALAD-02084337	ALAD-02084355	M		
347	Americas Wireless LTE K USD, Financial spreadsheet	ALAD-02094261	ALAD-02094261	M	None	
348	Amended and Restated General Supplier Agreement between ALU and Cingular	ALAD-02094276	ALAD-02094349	M	Not Categorized -	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Wireless				Withdrawn	
349	Restated and Modified Definitive Agreement between Cellco and ALU	ALAD-02094350	ALAD-02094471	M	None	
350	Verizon ALU Agreement Signature Page	ALAD-02094472	ALAD-02094472	M	Not Categorized - Withdrawn	
351	Alcatel-Lucent Master Price List for Macro Cells	ALAD-02094473	ALAD-02094473	M	None	
352	ALU Profit Spreadsheet, WLS LTE	ALAD-02094475	ALAD-02094475	M	Not Categorized - Withdrawn	
353	Americas Wireless LTE K USD, Financial spreadsheet	ALAD-02094476	ALAD-02094476	M	Not Categorized - Withdrawn	
354	Standard Tracking - LTE Declarations spreadsheet	ALAD-02103483	ALAD-02103549	M	Not Categorized - Withdrawn	
355	Excel sheet re: Parameters	ALAD-02103654	ALAD-02103654	M	Not Categorized - Withdrawn	
356	ALU Denver DL6 Test Update	ALAD-02103655	ALAD-02103685	M	Not Categorized - Withdrawn	
357	ALU VZW Perf Improvement - Update PPT	ALAD-02103709	ALAD-02103770	M	Not Categorized - Withdrawn	
358	2011 NSN Presentation, "Welcome to Nokia Siemens Networks"	ADAP-EXP_1776_GREEN_3002		M		

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359	Mobile RAN Report 3Q14, Prepared by Dell'Oro	ALAD-02103855	ALAD-02104095	M	Not Categorized - Withdrawn	
360	AT&T Digital Broadband Customer Guide	INV_00018659	INV_00018690	M	Withdrawn	
361	AT&T Dallas HSD User Characterization Project White Paper	INV_00018925	INV_00018977	M	Not Categorized - Withdrawn	
362	Time Log and Travel Expense Spreadsheet re: Texas State Fair	INV_00021702	INV_00021702	M	Not Categorized - Withdrawn	
363	E/// L13A DL Throughput investigation	ATT_1222_01507179	ATT_1222_01507192	M	Withdrawn	
364	ALU LTE buyout numbers	ATT_1222_01507195	ATT_1222_01507195	M	Not Categorized - Withdrawn	
365	ALU LTE buyout numbers	ATT_1222_01507196	ATT_1222_01507196	M	Not Categorized - Withdrawn	
366	ALU Scheduling Tests & Analysis Kansas FFA	ATT_1222_0450102	ATT_1222_0450126	M	Not Categorized - Withdrawn	
367	Spectral Efficiency Comparison	ATT_1222_0450127	ATT_1222_0450139	M	Not Categorized - Withdrawn	
368	D5 to ALU's LTE Contract, E-UTRAN Features Draft	ATT_1222_0452838	ATT_1222_0452951	M	Not Categorized - Withdrawn	
369	RAN ALU LTE LA3.0 Gold Standard paramters	ATT_1222_1161236	ATT_1222_1162456	M	Not Categorized -	

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					Withdrawn	
370	GSGB RAN ALU LTE LA4.0 Gold Standard parameters	ATT_1222_1240020	ATT_1222_1240020	M	Not Categorized - Withdrawn	
371	LTE E-UTRAN Product Supplement Agreement between ALU & AT&T	ATT_1222_1502717	ATT_1222_1502732	M	Not Categorized - Withdrawn	
372	Hardware price spreadsheet	ATT_1222_1503013	ATT_1222_1503023	M	Not Categorized - Withdrawn	
373	Cost Breakdown 2010, 2011 Feature Spreadsheet	ATT_1222_1503097	ATT_1222_1503101	M	Not Categorized - Withdrawn	
374	Qualcomm LTE-An Optimized OFDMA Solution for Wider Bandwidth Spectrum	ATT_1222_1503107	ATT_1222_1503116	M	Not Categorized - Withdrawn	
375	AT&T-ALU LTE E-UTRAN Product Supp Agreement	ATT_1222_1505699	ATT_1222_1505736	M	Not Categorized - Withdrawn	
376	Spreadsheet of Employees (including Hite and Hong)	ATT_1222_1507067 ATTM-00571877	ATT_1222_1507067 ATTM-00571877	M	Not Categorized - Withdrawn	
377	Fixed Wireless Dallas Market Trial January-September, 1999 Marketing Services Description	ATT_1229477	ATT_1229519	M		
378	Project Angel Sales Figures	INV_00022117	INV_00022117	M	Not Categorized - Withdrawn	
379	AT&T FWS Technology Roadmap	ATT_1311042;	ATT_1311052;	M		

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		INV_00022405; INV_00022419	INV_00022415; INV_00022429			
380	AT&T L13A DL Throughput investigation	ATTM-00571737	ATTM-00571750	M	Not Categorized - Withdrawn	
381	Radix Letter from Shanafelt to Nelson re changes to agreements, dated October 15, 1993	ATTM-00571751	ATTM-00571754	M	Not Categorized - Withdrawn	
382	Product Development Agreement between Radix Technologies and McCaw Cellular Communications	ATTM-00571766	ATTM-00571826	M	403, 901, 1002, improper redactions without privilege log	Defendants to submit privilege log
383	Product Development Agreement between Radix Technologies and AT&T	ATTM-00571827	ATTM-00571876	M	403, 901, 1002, improper redactions without privilege log	Defendants to submit privilege log
384	AT&T Employee Information	ATTM-00571877	-	-		
385	Chart re: Mallie billing for P001, Medium Access Control for Orthogonal...	BSTZ000150	BSTZ000150	M	Not Categorized - Withdrawn	
386	U.S. Patent No. 6,018,528 Gitlin	DOC0016141	DOC0016156	M	Not Categorized - Withdrawn	
387	"Adaptive Multicarrier Modulation: A Convenient Framework for Time-Frequency Processing in Wireless	IEEE_AT&T Mobility LLC 000002	IEEE_AT&T Mobility LLC 000031	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Communications" article by Keller, et al. , dated May 2000					
388	IEEE Xplore webpage abstract on "Advanced cellular internet service (ACIS)"	IEEE_AT&T Mobility LLC 000032	IEEE_AT&T Mobility LLC 000032	M	Not Categorized - Withdrawn	
389	"Advanced Cellular Internet Service (ACIS)" article by Cimini, et al., dated October 1998	IEEE_AT&T Mobility LLC 000033	IEEE_AT&T Mobility LLC 000042	M	Not Categorized - Withdrawn	
390	IEEE Xplore webpage abstract on "Wideband wireless data access based on OFDM and dynamic packet assignment"	IEEE_AT&T Mobility LLC 000043	IEEE_AT&T Mobility LLC 000043	M	Not Categorized - Withdrawn	
391	"Wideband Wireless Data Access Based on OFDM and Dynamic Packet Assignment" article by Chuang, et al.	IEEE_AT&T Mobility LLC 000044	IEEE_AT&T Mobility LLC 000048	M	Not Categorized - Withdrawn	
392	IEEE Xplore webpage abstract on "Orthogonal frequency division multiple access peak-to-average power ratio reduction using optimized pilot symbols"	IEEE_AT&T Mobility LLC 000069	IEEE_AT&T Mobility LLC 000069	M	Not Categorized - Withdrawn	
393	"Orthogonal Frequency Division Multiple Access Peak-to-Average Power Ratio Reduction Using Optimized Pilot Symbols" article by Zhang, et al.	IEEE_AT&T Mobility LLC 000070	IEEE_AT&T Mobility LLC 000073	M	Not Categorized - Withdrawn	
394	IEEE Xplore webpage abstract on "Co-channel interference suppression assisted adaptive OFDM in interference limited environments"	IEEE_AT&T Mobility LLC 000074	IEEE_AT&T Mobility LLC 000074	M	Not Categorized - Withdrawn	
395	"Co-Channel Interference Suppression Assisted Adaptive OFDM in Interference Limited Environments" article by Munster, et al.	IEEE_AT&T Mobility LLC 000075	IEEE_AT&T Mobility LLC 000079	M	Not Categorized - Withdrawn	

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396	IEEE Xplore webpage abstract on "A time and frequency synchronization scheme for multiuser OFDM"	IEEE_AT&T Mobility LLC 000098	IEEE_AT&T Mobility LLC 000098	M	Not Categorized - Withdrawn	
397	"A Time and Frequency Synchronization Scheme for Multiuser OFDM" article by van de Beek, et al.	IEEE_AT&T Mobility LLC 000099	IEEE_AT&T Mobility LLC 000113	M	Not Categorized - Withdrawn	
398	IEEE Xplore webpage abstract on "High Speed Wireless Data Access Based on Combining EDGE with Wideband OFDM"	IEEE_AT&T Mobility LLC 000114	IEEE_AT&T Mobility LLC 000114	M	Not Categorized - Withdrawn	
399	"High Speed Wireless Data Access Based on Combining EDGE with Wideband OFDM" article by Chuang, et al., dated November 1999	IEEE_AT&T Mobility LLC 000115	IEEE_AT&T Mobility LLC 000121	M	Not Categorized - Withdrawn	
400	IEEE Xplore webpage abstract on "Beyond 3G: wideband wireless data access based on OFDM and dynamic packet assignment"	IEEE_AT&T Mobility LLC 000122	IEEE_AT&T Mobility LLC 000122	M	Not Categorized - Withdrawn	
401	"Beyond 3G: Wideband Wireless Data Access Based on OFDM and Dynamic Packet Assignment" article by Chuang, et al. dated July 2000	IEEE_AT&T Mobility LLC 000123	IEEE_AT&T Mobility LLC 000132	M	Not Categorized - Withdrawn	
402	"Base Station Transmitter Antenna Arrays with Mobile to Base Feedback", by Gerlach and Paulraj, IEEE, dated 1993			M	Not Categorized - Withdrawn	
403	8/23/1995 WW3 Telia Reasearch, Wahlqvist	INV_00005511	INV_00005904	M	Not Categorized - Withdrawn	
404	Farsakh, On the Mobile Radio Capacity Increase through SDMA	INV_00006025	INV_00006029	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
405	"Comparison of Upgrade Techniques for Mobile Communications Systems", by Tangemann and Rheinschmitt, IEEE International Conference on Communications, dated 1994	INV_00007711	INV_00007712	M	Not Categorized - Withdrawn	
406	Wahlqvist, Telia Research WW3 Documents	INV_00009400	INV_00009785	M	Not Categorized - Withdrawn	
407	Dahlman, 4G - LTE/LTE-Advanced for Mobile Broadband :Third Edition			M	None	
408	SMG02-1997-301, Tdoc 301/97, Beta Concept Group Status Report, Bad Salzdetfurth, Germany October 1-3 1997	INV_00011556	INV_00011557	M	Not Categorized - Withdrawn	
409	Customer Service Agreements	INV_00018613	INV_00018626	M		
410	AT&T FWS Coverage Map	INV_00018925	INV_00018977	M	Not Categorized - Withdrawn	
411	AT&T Digital Broadband - A Wireless LEC Presentation	INV_00019256	INV_00019325	M	402, 403, 901, 106, improper redactions without privilege log	Defendants to submit privilege log
412	Cost at Texas State Fair	INV_00021698	INV_00021699	M		
413	Customers from Texas State Fair	INV_00021700	INV_00021700	M		
414	AT&T FWS Dallas Market Trial Offer	INV_00021701	INV_00021701	M	Not Categorized - Withdrawn	
415	AT&T Network Operations Training Presentation	INV_00021703	INV_00021812	M		
416	Spreadsheet of Testing Data	INV_00021813	INV_00021813	M	Not	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
					Categorized - Withdrawn	
417	Email from Larry Seifert re: Dallas Market Trial	INV_00022116	INV_00022116	M	Withdrawn	
418	Customer Sales	INV_00022129	INV_00022129	M	Withdrawn	
419	Customer Sales Spreadsheet	INV_00022130	INV_00022130	M	Withdrawn	
420	Fixed Wireless Talking Points	INV_00022177	INV_00022177	M	Withdrawn	
421	Email regarding critical individuals	INV_00022184	INV_00022184	M		
422	Fixed Wireless Services Leadership Team	INV_00022185	INV_00022189	M		
423	January 1999: Dallas Market Trial for Fixed Wireless	INV_00022194	INV_00022194	M	Not Categorized - Withdrawn	
424	AT&T Wireless Chooses Lucent as Infrastructure Supplier for Project Angel	INV_00022297	INV_00022297	M		
425	Project Angel Headed for Three More Markets	INV_00022311	INV_00022313	M	Not Categorized - Withdrawn	
426	Operations for AT&T	INV_00022320	INV_00022348	M	Withdrawn	
427	AT&T places bet on fixed-wireless telephone service	INV_00022362	INV_00022364	M	Not Categorized - Withdrawn	
428	Long anticipated Angel flies in Fort Worth	INV_00022373	INV_00022376	M		
429	AT&T's Angel Delivers	INV_00022417	INV_00022418	M	Withdrawn	
430	Bigtex.com (Official Website of the State Fair of Texas)	INV_00023360	INV_00023361	M	Not Categorized -	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	(https://web.archive.org/web/20000309174613/http://www.bigtex.com/info/event/futurevisions.htm)				Withdrawn	
431	Fixed Wireless Phone at State Fair	INV_00023362	INV_00023363	M	Not Categorized - Withdrawn	
432	Dallas Morning News for Thursday, September 28, 1999	INV_00023364	INV_00023366	M	Not Categorized - Withdrawn	
433	Customer Sales Spreadsheet	INV_00023372	INV_00023372	M	Not Categorized - Withdrawn	
434	Texas State Fair	INV_00023373	INV_00023374	M	403, 901, 1002	Overruled, subject to the Defendants laying proper foundation
435	U.S. Patent No. 6,801,775, Gibbons	INV_00023390	INV_00023405	M	Not Categorized - Withdrawn	
436	3GPP TS 36.213 V1.0.0 (2007-03)(Release 8)	LYCKLAMA011745	LYCKLAMA011755	M	Not Categorized - Withdrawn	
437	Memo from Lycklama to Pisterzi, et al. re LTE and UMB Overview, dated July 25, 2007 (Updated January 10, 2008)	LYCKLAMA035030	LYCKLAMA03505	M	Not Categorized - Withdrawn	
438	Email from Liu to Lycklama re RE: Runcom Proposal to IEEE 802.16, dated October	LYCKLAMA144551	LYCKLAMA144551	M	Not Categorized -	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	12, 2006				Withdrawn	
439	IEEE 802.16e-2005 standard, listing Xiaodong Li and Wenzhong Zhang as working group members	LYCKLAMA145111	LYCKLAMA145958	M	Not Categorized - Withdrawn	
440	Email from Lycklama to Young re LTE Knowledge Transfer, etc., dated January 9, 2008	LYCKLAMA148037	LYCKLAMA148037	M	Not Categorized - Withdrawn	
441	Email from Lycklama to Pisterzi, et al. re DRAFT Memo on LTE, dated April 10, 2007	LYCKLAMA148305	LYCKLAMA148306	M	Not Categorized - Withdrawn	
442	Email from Lycklama to Pisterzi, et al. re DRAFT Memo on LTE, dated April 9, 2007	LYCKLAMA148307	LYCKLAMA148327	M	Not Categorized - Withdrawn	
443	Adaptix U.S. Patent 7,146,172 and 3GPP-LTE Infringement Analysis	LYCKLAMA148698	LYCKLAMA148706	M	Not Categorized - Withdrawn	
444	Adaptix U.S. Patent 6,947,748 [P]14] & 3GPP LTE Infringement Analysis by Lycklama, dated August 10, 2007	LYCKLAMA148707	LYCKLAMA148729	M	Not Categorized - Withdrawn	
445	Memo from Lycklama to Pisterzi, et al. re IEEE "Letter of Assurance" Patents, dated July 26, 2006	LYCKLAMA148764	LYCKLAMA148767	M	Not Categorized - Withdrawn	
446	Memo from Lycklama to Pisterzi, et al. re LTE and UMB Overview, dated July 25, 2007	LYCKLAMA150922	LYCKLAMA150937	M	Not Categorized - Withdrawn	
447	Adaptix presentation "Adaptix - Patents & Standards" by Dr. Heinz Lycklama, dated March 22, 2006	LYCKLAMA156386	LYCKLAMA156438	M	Not Categorized - Withdrawn	
448	Notes re WiMAX Meeting, Seoul, Korea -	LYCKLAMA161481	LYCKLAMA161482	M	Not	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	August 30, 2004				Categorized - Withdrawn	
449	Notes re WiMAX FaceToFace Meeting, Beijing - November 7-11, 2005	LYCKLAMA161550	LYCKLAMA161561	M	Not Categorized - Withdrawn	
450	Invoices from Lycklama to Adaptix for patent analysis (IPR) services	LYCKLAMA231884	LYCKLAMA231890	M	Not Categorized - Withdrawn	
451	U.S. Patent No. 6,751,444	Meiyappan0001	Meiyappan0024	M	Not Categorized - Withdrawn	
452	U.S. Patent No. 6,721,569, Hashem	MF008914; INV_00002485	MF008926; INV_00002497	M	Not Categorized - Withdrawn	
453	European Patent Application 0 978 962 (Boehnke)	MF013176	MF013196	M	Not Categorized - Withdrawn	
454	Xu, Throughput Multiplication of Wireless LANS for Multimedia Services	MF070104	MF070110	M	Not Categorized - Withdrawn	
455	Email from Dodd to Vella, et al. re Adaptix Foreign Counterparts, dated October 20, 2011	MS_ADAPTIX000044	MS_ADAPTIX000056	M	Not Categorized - Withdrawn	
456	Email from Fricke to Taub, et al. re RE: Call w/ Acacia, dated November 9, 2011	MS_ADAPTIX000075	MS_ADAPTIX000076	M	Not Categorized - Withdrawn	
457	Email from Hoggard to Vella, et al. attaching Project Angel - Patent Verification List - FINAL, dated November 11, 2011	MS_ADAPTIX000156	MS_ADAPTIX000162	M	Not Categorized - Withdrawn	

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458	Email from Fricke to Taub, et al. re Adaptix/Samsung, dated November 13, 2011	MS_ADAPTIX000463	MS_ADAPTIX000463	M	Not Categorized - Withdrawn	
459	Email from Hoggard to Taub, et al. re RE: Emailing: Acacia MSFT License Agreement (11-16-11) Final v3.docx, Acacia MSFT License Agreement (11-16-11) Final v3.pdf, dated November 16, 2011	MS_ADAPTIX000694	MS_ADAPTIX000695	M	Not Categorized - Withdrawn	
460	Email from Rao to Searcy re Adaptix Granted Two New 4G-Relevant Patents, dated September 7, 2011	MS_ADAPTIX002306	MS_ADAPTIX002320	M	Not Categorized - Withdrawn	
461	4G Leapfrog ALU Design Analysis	SSLP_0000062	SSLP_0000329	M	Not Categorized - Withdrawn	
462	Sprint LTE 1.5 (ALU LE5) Detailed Reference Design	SSLP_0000974	SSLP_0001051	M	Not Categorized - Withdrawn	
463	Amendment No.1 to Master Purchase Agreement Sprint and ALU	SSLP_0001126	SSLP_0001207	M	Not Categorized - Withdrawn	
464	Sprint Network 4g LTE System Requirements Document	SSLP_0011243	SSLP_0011672	M	Not Categorized - Withdrawn	
465	Sprint Enhanced Master Feature List Spreadsheet	SSLP_0015177	SSLP_0015177	M	Not Categorized - Withdrawn	
466	Spreadsheet re ALU LTE Features prepared for Sprint	SSLP_0017154	SSLP_0017154	M	Not Categorized - Withdrawn	
467	Sprint December 2011 Press Release re	SSLP_0018653	SSLP_0018654	M	Not	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Sprint Network Upgrades				Categorized - Withdrawn	
468	Sprint August 2012 Press Release re 4G LTE Expansion	SSLP_0018679	SSLP_0018680	M	Not Categorized - Withdrawn	
469	Sprint September 2012 Press Release re Unlimited 4G LTE	SSLP_0018681	SSLP_0018682	M	Not Categorized - Withdrawn	
470	Spreadsheet re Sprint Base Stations	SSLP_0022201	SSLP_0022201	M	Not Categorized - Withdrawn	
471	Spreadsheet re Sprint .5 GHz Upgrades	SSLP_0023615	SSLP_0023615	M	Not Categorized - Withdrawn	
472	Hui Liu Employment Agreement	UWASH000046	UWASH000049	M	None	
473	University of Washington Correspondence	UWASH000050	UWASH000078	M	None	
474	Certificate of Amendment to Amended and Restated Certification of Incorporation of Broadstorm Telecommunications, Inc.	VANTAGE297	VANTAGE298	M	Not Categorized - Withdrawn	
475	Verizon - 4G Development, June 27, 2007	VZW_0087741	VZW_0087761	M	Not Categorized - Withdrawn	
476	ALU QoS in RF Scheduler	VZW_0092112	VZW_0092147	M	None	
477	Verizon White Paper: "LTE: The Future of Mobile Broadband Technology"	VZW_0248780	VZW_0248798	M	None	
478	"Verizon-Vodafone Ericsson LTE Phase 3 Trial Result High Level Summary" Presentation	VZW_0315049	VZW_0315078	M	None	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
479	"Verizon - Ericsson LTE/EPC Milestone Review" Presentation	VZW_0315167	VZW_0315205	M	Not Categorized - Withdrawn	
480	"Verizon's 4G Platform: LTE" Presentation	VZW_0329693	VZW_0329712	M	None	
481	Parameter Spreadsheet re Verizon's LTE network (ALU Base Station Configurations)	VZW_0732715	VZW_0732715	M	None	
482	Parameter Spreadsheet re Verizon's LTE network (ALU Base Station Configurations)	VZW_0732716	VZW_0732716	M	None	
483	FDD eNodeB LTE Parameters User Guide	VZW_0732717	VZW_0734573	M	None	
484	3GPP TS 36.213 version 8.8.0 Release 8	VZW_0735282	VZW_0735358	M	None	
485	Verizon LTE Capital Expenditures	VZW_0755088	VZW_0755088	M	Not Categorized - Withdrawn	
486	Report of Verizon's 4G LTE customer device base	VZW_0857778	VZW_0857778	M	Not Categorized - Withdrawn	
487	Verizon Capacity Utilization Report	VZW_0857779	VZW_0857779	M	Not Categorized - Withdrawn	
488	Spreadsheet comparing PUCCH v. PUSCH	VZW_0858148	VZW_0858148	M	Not Categorized - Withdrawn	
489	Verizon Postpaid & Prepaid Consolidated Markets December 2010 to February 2014	VZW_0858155	VZW_0858155	M	Not Categorized - Withdrawn	
490	Updated report of Verizon's 4G LTE customer device base	VZW_0858156	VZW_0858156	M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
491	Peak User Spreadsheet	VZW_0858158	VZW_0858158	M	Not Categorized - Withdrawn	
492	Network Directive Number ME-ALU-LTE-D1-14-0007, date issued 05/03/2014, document title ALU eNB LR13.3 CL5.2	VZW_0858159	VZW_0858159	M	Not Categorized - Withdrawn	
493	Adaptix's First Supplemental Answers and Objections to T-Mobile USA, Inc.'s First Set of Interrogatories			M	Discovery	
494	Plaintiff's Answers and Objections to Ericsson's First Set of Interrogatories			M	Discovery	
495	Plaintiff's Responses and Objections to Ericsson's Third Set of Interrogatories			M	Discovery	
496	Plaintiff's Responses and Objections to Defendants' First Set of Common Requests for Admission (Nos. 1-33)			M	Discovery	
497		Duplicate of INV_00022194		M		
498	AT&T Integrated Local Services Plan Oct 1999			M	Not Categorized - Withdrawn	
499		Duplicate of INV_00021698		M		
500	Source Code Analysis Report and exhibits hereto of Nigel Jones -22, -122,-123			M	Expert Report: Agreed to Remove	
501	Liang Hong LinkedIn Profile			M	Not Categorized - Withdrawn	
502	CNET article re: AT&T Project Angel			M	901, 802, 402,	Expert may

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
					403	rely on; not to be admitted
503	Liu Explanation Drawing			M	701, 402, 403	Overruled
504	http://www.3gpp.org/technologies/keywords/sacronyms/98-lte			M	901, 802, 701, 403	Expert may rely on; not to be admitted
505	Johnson, Long Term Evolution IN BULLETS (2d ed.)			M	901, 802, 701, 403	Expert may rely on; not to be admitted
506	3GPP TS 36.212 version 9.2.0 Release 9			M	None	
507	Ghosh et al., Fundamentals of LTE			M	901, 802, 602, 403	Expert may rely on; not to be admitted
508	Sprint Corporation Form 10-K for fiscal year 2013			M	None	
509	"Evaluation of LTE Essential Patents Declared to ETSI," Cyber Creative Institute Co. Ltd., June 2013			M	901, 802, 602, 403	Expert may rely on; not to be admitted
510	George C. Notter, James Kisner, and Ali Hushyar, "Data Networking & Wireline Equip. New Perspectives on Alcatel-Lucent's Shift Plan," Jefferies			M	901, 802, 602, 403	Expert may rely on; not to be admitted
511	NSN Annual Report 2013			M	Not	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
					Categorized - Withdrawn	
512	Adaptix's Answer and Objections to ALU and AT&T's First Set of Joint Interrogatories to Adaptix (Nos. 1-10)			M	Discovery	
513	Adaptix's Answers and Objections to ALU and Verizon's First Set of Joint Interrogatories to Adaptix (Nos. 1-10)			M	Discovery	
514	Adaptix's Answers and Objections to ALU and Sprint's First Set of Joint Interrogatories to Adaptix (Nos. 1-10)			M	Discovery	
515	Adaptix's First Supplemental Answers and Objections to ALU and AT&T's First Set of Joint Interrogatories			M	Discovery	
516	Adaptix's Answers and Objections to ALU's First Set of Interrogatories (Nos. 1-7)			M	Discovery	
517	Adaptix's First Supplemental Answers and Objections to ALU's First Set of Interrogatories to Adaptix (Nos. 1-7)			M	Discovery	
518	Adaptix's Answers and Objections to ALU's Second Set of Interrogatories to Adaptix (Nos. 8-10)			M	Discovery	
519	Adaptix's Answers and Objections to ALU's Third Set of Interrogatories to Adaptix (Nos. 11-13)			M	Discovery	
520	Adaptix's Supplemental Responses and Objections to ALU's Third Set of Interrogatories (Nos. 11-13)			M	Discovery	
521	Adaptix's Answers and Objections to			M	Discovery	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	ALU's Fourth Set of Interrogatories to Adaptix (Nos. 14-19)					
522	Adaptix's Supplemental Responses and Objections to ALU's Fourth Set of Interrogatories to Adaptix (Nos. 14-19)			M	Discovery	
523	Adaptix's Answers and Objections to AT&T's First Set of Interrogatories to Adaptix (Nos. 1-7)			M	Discovery	
524	Adaptix's First Supplemental Answers and Objections to AT&T's First Set of Interrogatories to Adaptix (Nos. 1-7)			M	Discovery	
525	Adaptix's Answers and Objections to AT&T's Second Set of Interrogatories to Adaptix (Nos. 8-12)			M	Discovery	
526	Adaptix's Supplemental Responses and Objections to Defendant AT&T's Second Set of Interrogatories (Nos. 8-12)			M	Discovery	
527	Adaptix's Responses and Objections to Verizon's First Set of Interrogatories (Nos. 1-6)			M	Discovery	
528	Adaptix's Responses and Objections to Verizon's Second Set of Individual Interrogatories (Nos. 7-9)			M	Discovery	
529	Adaptix's Objection to ALU's First Set of Requests for Admission (Nos. 1-13)			M	Discovery	
530	Adaptix's Responses and Objections to Defendants' First Set of Common Requests for Admission			M	Discovery	
531	Adaptix's Responses and Objections to Defendants' First Set of Common			M	Discovery	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Requests for Admission for Authentication (Nos. 1-147)					
532	172 File history	ADAP 257	ADAP 549	M	None	
533	Adaptix Infringement Contentions, Ex. A: U.S. Patent No. 7,146,172 v. Verizon, dated December 13, 2013			M	Discovery	
534	Adaptix Infringement Contentions, Ex. D: U.S. Patent No. 6,904,283 v. Verizon, dated December 13, 2013			M	Discovery	
535	Adaptix Infringement Contentions, Ex. E: U.S. Patent No. 6,870,808 v. Verizon, dated December 13, 2014			M	Discovery	
536	Adaptix Amended Infringement Contentions, Ex. A: U.S. Patent No. 6,870,808 v. Verizon, dated May 12, 2014			M	Discovery	
537	Adaptix' s Responses and Objections to T-Mobile's First Set of Interrogatories, dated April 14, 2014 (Case No. 12-cv-369 E.D. Tex.)			M	Discovery	
538	Adaptix' s Responses and Objections to AT&T Mobility LLC's First Set of Interrogatories (Nos. 1-5), dated June 10, 2014 (Case Nos. 13-cv-49, -50 E.D. Tex.)			M	Discovery	
539	Plaintiff's Second Supplemental Responses and Objections to Defendants' First and Second Set of Common Interrogatories (Nos. 1 – 10), May 28, 2013 (Case Nos. 13-cv-1774, -1776, -1777, -1778, -1844, -2023 N.D. Cal.)			M	Discovery	
540	Plaintiff's Responses and Objections to			M	Discovery	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	Defendants' First Set of Request for Admission (Nos. 1-16), dated May 2, 2014 (Case Nos. 13-cv-1774, -1776, -1777, -1778, -1844, -2023 N.D. Cal.)					
541	Plaintiff's Responses and Objections to Verizon Wireless' Second Set of Individual Interrogatories (Nos. 3-15), dated August 4, 2014 (Case Nos. 12-cv-20, -120 E.D. Tex.)			M	Discovery	
542	Plaintiff's Responses and Objections to Defendant Verizon Wireless' First Set of Individual Interrogatories (Nos. 1-8), dated April 9, 2014 (Case Nos. 13-cv-1774, -1776, -1844 N.D. Cal.)			M	Discovery	
543	Adaptix' s First Amended Disclosures Pursuant to P.R. 3-1 & 3-2, dated January 11, 2010	ADAP 00220522	ADAP00220556	M	Discovery	
544	U.S. Patent No. 7,180,877 to Benveniste			M	Not Categorized - Withdrawn	
545	Letter from Pennypacker to Puckett re Re: Adaptix v. Clearwire et al., E.D. Tex Case No. 6:08-cv-460, dated October 21, 2009	ADAP 08332591	ADAP 08332598	M	802, 408, 403, 402	
546	3GPP technical specifications (http://www.3gpp.org/specifications/specification-numbering)			M	901, 802, 602, 403	Expert may rely on; not to be admitted
547	3GPP specifications series (http://www.3gpp.org/DynaReport/36-series.htm)			M	Not Categorized - Withdrawn	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
548	3GPP specification release version matrix (http://www.3gpp.org/DynaReport/SpecReleaseMatrix.htm)			M	Not Categorized - Withdrawn	
549	Subpoena to Testify at a Deposition in a Civil Action to Gerry Grenier, Case Nos. 13-cv-1777, -1778, -2023, -1774, -1776, -1844 NDCal			M	Discovery	
550	AT&T Mobility's Notice of Deposition and Amended Subpoena to the Institute of Electrical and Electronics Engineers, Incorporated, Case Nos. 13-cv-1774, -1776, -1777, -1778, -1844, -2023 NDCal, dated May 12, 2014			M	Discovery	
551	IEEE Xplore webpage abstract on "Adaptive multicarrier modulation: a convenient framework for time-frequency processing in wireless communications"			M	403; 901; 701	Expert may rely on; not to be admitted
552	PLAINTIFF'S RESPONSES AND OBJECTIONS TO DEFENDANT VERIZON WIRELESS' FIRST SET OF INDIVIDUAL INTERROGATORIES [NO. 1-8] (NDCA-1774, -1776, -1844)	Duplicate of Ex. 542		M	Discovery	
553	PLAINTIFF'S RESPONSES AND OBJECTIONS TO VERIZON WIRELESS' THIRD SET OF INDIVIDUAL INTERROGATORIES (NOS.10-12) (EDTX-122)			M	Discovery	
554	PLAINTIFF'S ANSWERS AND OBJECTIONS TO T-MOBILE USA, INC.'S SECOND SET OF INTERROGATORIES (EDTX-369)			M	Discovery	
555	PLAINTIFF'S RESPONSES AND OBJECTIONS			M	Discovery	

EXH. NO.	DESCRIPTION (Required)	BEGINNING BATES NO.	ENDING BATES NO.	EXPECTS TO OFFER (E) / MAY OFFER (M)	OBJECTION	Judge Craven's Preliminary Ruling
	TO AT&T MOBILITY LLC'S FIRST SET OF INDIVIDUAL REQUESTS FOR ADMISSION (NOS. 1-20) (EDTX-20)					
556	PLAINTIFF'S RESPONSES AND OBJECTIONS TO DEFENDANTS LG ELECTRONICS, INC., AND LG ELECTRONICS U.S.A., INC.'S FIRST SET OF INDIVIDUAL REQUESTS FOR ADMISSION (NOS. 1-19)			M	Discovery	
557	Expert Report of Phillip Green - Investigation No. 337-TA-871	ADAP-ITC-D&R100001775	ADAP-ITC-D&R100001817	M	None	
558	US Patent 7,545,869			M	None	
559	US Patent 6,744,824			M	None	
560	US Patent 6,636,495			M	None	
561	US Patent 6,269,247			M	None	
562	US Patent 5,732,075			M	None	
563	US Patent 5,722,083			M	None	
564	AT&T A Brief History: The Bell System			M	402; 901	Overruled
565	AT&T A Brief History: Post Divestiture			M	402; 901	Overruled
566	Proakis, Digital Communications			M	None	
567	IEEE News Release re: Paulraj			M	Not Categorized - Withdrawn	
568	U.S. Patent No. 6,473,418 (LaRoia)			M	None	
569	"OFDM Blind Carrier Offset Estimation: ESPRIT" Tureli and Liu			M	None	
570	"Uplink Channel Capacity of Space-Division-Multiple-Access (SDMA) Schemes" Suard, Xu, Liu			M	None	
571	SMG 1997 Madrid Meeting Minutes, ETSI/TC SMG (97) 5, Report of Meeting			M	901; 802	Overruled

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	No. 24 held in Madrid December 15-19 1997					
572	"Patent Holdup and Royalty Stacking", by Mark A. Lemley & Carl Shapiro, Texas Law Review, Vol. 85: 1991-2007			M	402; 403; 901; 701	Expert may rely on; not to be admitted
573	"Royalty Rates and Licensing Strategies for Essential Patents on LTE (4G) Telecommunication Standards", by Eric Stasik, Les Nouvelles, dated September 2010	ADAP-EXP_1776_GREEN_2637	ADAP-EXP_1776_GREEN_2642	M	901; 701	Expert may rely on; not to be admitted
574	"Which Patent Systems Are Better for Inventors?", by James Bessen and Grid Thoma, Preliminary Version, presented at the OECD on March 28, 2013			M	Not Categorized - Withdrawn	
575	Summary, chart, or calculation to prove the content of financials under Fed. R. Evid. 1006.			M	Not Produced	Tabled for final form; Submit to RWS for consideration
576	Physical components of ALU 9412			M	Not Produced	TBD – return to Judge Craven to resolve disputes
577	Physical components of ALU 9926			M	Not Produced	TBD – return to Judge Craven to resolve

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						disputes
578	Physical components of ALU 9442			M	Not Produced	TBD – return to Judge Craven to resolve disputes
579	Physical components of ALU 9711			M	Not Produced	TBD – return to Judge Craven to resolve disputes
580	Physical components of ALU 9712			M	Not Produced	TBD – return to Judge Craven to resolve disputes
581	Physical components of ALU 9760			M	Not Produced	TBD – return to Judge Craven to resolve disputes
582	Physical components of ALU 9464			M	Not Produced	TBD – return to Judge Craven to resolve disputes
583	Physical components of ALU 9768			M	Not Produced	TBD – return to Judge Craven to resolve

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						disputes
584	Source code accessible from the source code laptop accessible at: c:\users\reviewer\Desktop\12-June-2014_colln	-	-	M		
585	Source code accessible from the source code laptop accessible at: c:\users\reviewer\Desktop\ADAPTIX	-	-	M		
586	Source code accessible from the source code laptop accessible at: c:\users\reviewer\Desktop\ALU	-	-	M		
587	Source code accessible from the source code laptop accessible at: c:\users\reviewer\Desktop\LEGAL_ADAPTIX_2014	-	-	M		
588	Source code accessible from the source code laptop accessible at: c:\users\reviewer\Desktop\LR13.1	-	-	M		
589	Source code accessible from the source code laptop accessible at: c:\users\reviewer\Desktop\New folder	-	-	M		
590	Alcatel-Lucent LTE Licensing			M	Not Categorized - Withdrawn	
591	Weinstein, The History of Orthogonal Frequency-Division Multiplexing			M	None	
592	Chang, Synthesis of Band-Limited Orthogonal Signals for Multichannel Data Transmission			M	None	
593	Hanzo, Single- and Multi-carrier			M	None	

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	Quadrature Amplitude Modulation					
594	Stuber, Broadband MIMO-OFDM Wireless Communications			M	None	
595	ETSI EN 300 744 V1.2.1			M	Not Categorized - Withdrawn	
596	Acacia Research Group Presentation, 3rd Quarter 2013			M	None	
597	Matthew Robison and Leo Choi, "Research in Motion Ltd.: The Business Phone Leader; Initiating Coverage with OUTPERFORM Rating and \$90 Target," Wedbush			M	901; 701	Expert may rely on; not to be admitted
598	Bekkers, Rudi, Geert Duysters and Bart Verspagen, Intellectual Property Rights, Strategic Technology Agreements and Market Structure: The Case of GSM			M	402; 403; 901; 701	Expert may rely on; not to be admitted
599	Takuya Kosaka and Christopher Kerr, Establishment of LTE Patent Pool, NTT DOCOMO Technical Journal, Vol. 14 No. 4, 2013, p. 54.			M	403; 901; 701	Expert may rely on; not to be admitted
600	"Nokia, Analysis for NYSE : NOK," Trefis			M	402; 403; 901; 802	Expert may rely on; not to be admitted
601	Nokia Annual Report Form 20-F 2013			M	901, 802, 602, 403	Expert may rely on; not to be admitted

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602	Sandeep Deshpande, et al., "Nokia Becoming 'Nokia' Again. IP Should Lead the Way," J.P.Morgan			M	Not Categorized - Withdrawn	
603	NSN Annual Report 2012			M	Not Categorized - Withdrawn	
604	2013 Samsung Electronics Annual Report			M	Not Categorized - Withdrawn	
605	AT&T Device Requirements Revision 5.2	; INV_00018406	; INV_00018519	M	Not Categorized - Withdrawn	
606	Email attaching customer sales	INV_00022111	INV_00022112	M	Withdrawn	
607	List of Gross Sales	INV_00022117	INV_00022117	M	Withdrawn	
608	E-mail Attaching Marketing and Sales Statistics Spreadsheet	INV_00022131	INV_00022131	M	Not Categorized - Withdrawn	
609	Email re Promotion of Liang Hong	AD01270482	AD01270482	M	Not Categorized - Withdrawn	
610	Email from Hui Liu re: White Paper for Verizon	AD00007632	AD00007633	M	Not Categorized - Withdrawn	
611	468 Provisional Application	INV_00024084	INV_00024205	M	Not Categorized - Withdrawn	
612	AT&T Chapter 11 Test Report 3/4/99	INV_00018294	INV_00018381	M	Not Categorized -	

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					Withdrawn	
613	AT&T Chapter 12 Test Setup Photos	INV_00018288	INV_00018293	M	Not Categorized - Withdrawn	
614	"Netro to Obtain AT&T Wireless' Fixed Assets"	INV_00018231	INV_00018234	M	Withdrawn	
615	FWS Business Plan	INV_00018691	INV_00018769	M	402, 403, 1002, 106, improper redactions without privilege log	Defendants to submit privilege log
616	Customer List	INV_00022135	INV_00022135	M	Withdrawn	
617	Customer List Spreadsheet	INV_00022136	INV_00022136	M	Withdrawn	
618	DMOQ Sales Report Workbook	INV_00022171	INV_00022171	M	Withdrawn	
619	Critical DMOQ Report Workbook	INV_00022172	INV_00022172	M	Withdrawn	
620	Dallas Market Trial for Fixed Wireless	INV_00022192	INV_00022192	M	Not Categorized - Withdrawn	
621	February 1999: Dallas Market Trial for Fixed Wireless	INV_00022193	INV_00022193	M	Withdrawn	
622	June 1999: Dallas Market Trial for Fixed Wireless	INV_00022195	INV_00022195	M	Withdrawn	
623	March 1999: Dallas Market Trial for Fixed Wireless	INV_00022196	INV_00022196	M	Withdrawn	
624	May 1999: Dallas Market Trial for Fixed	INV_00022197	INV_00022197	M	Withdrawn	

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	Wireless					
625	AT&T Plans to implement "Fixed Wireless" Technology	INV_00022229	INV_00022230	M	Not Categorized - Withdrawn	
626	Forecasted Gross and Net Sales for Dallas Market	INV_00022361	INV_00022361	M	Withdrawn	
627	Email re Fax Relay	AD01268252	AD01268252	M	Not Categorized - Withdrawn	
628	Email re AT&T AICD Chapter 2	AD01334575	AD01334575	M	Not Categorized - Withdrawn	
629	Email from Hui Liu re patent projects	AD00007166	AD00007166	M	Not Categorized - Withdrawn	
630	EET Asia article, "AT&T design 'Angels' land on their feet..	INV_00018216	INV_00018218	M	Not Categorized - Withdrawn	
631	External Photographs of RU	INV_00018400	INV_00018403	M	Not Categorized - Withdrawn	
632	Memo from AT&T to Liang Hong re: Agreement on Repayment of FWS Retention Bonus	AD01269630	AD01269631	M	402, 403, 106	Sustained
633	64 QAM Feasibility White Paper	AD01269917	AD01269936	M	Not Categorized - Withdrawn	
634	11/3/00 R4 ODU Design Requirements: Hardware Design Document - Revision 0.5	AD01285033	AD01285044	M	Not Categorized - Withdrawn	

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635	2/24/00 Voice Traffic Processing DSP Software Detailed Design Document - Revision 0.5	AD01303752	AD01303837	M	Not Categorized - Withdrawn	
636	12/15/00 Air Interface Specification - Volume 1: Physical Layer (v0.1	ADAP 08506906	ADAP 08506936	M	Withdrawn	
637	Amended and Restated Certificate of Incorporation of Broadstorm Telecommunications (Dodd Dep. Ex. 10)	VANTAGE000218	VANTAGE000231	M	Not Categorized - Withdrawn	
638	April 7, 2015 PTAB Decision Instituting IPR for '748 Patent (Case IPR2014-01524, Sony v. Adaptix)			M	Not Categorized - Withdrawn	
639	Invention Disclosure for '748 Patent, November 5, 2000	ADAP 00000113	ADAP00000131	M	Not Categorized - Withdrawn	
640	Email from Hui Liu to Hujun Yin, November 2, 2000	AD 00007129	AD 00007129	M	Not Categorized - Withdrawn	
641	LTE Standards Update Ran Plenary #44, May 2009	ALAD-00938733	ALAD-00938753	M	Not Categorized - Withdrawn	
642	3GPP TSG RAN WG1 Meeting #59; Jeju, South Korea, 9-13 November, 2009, Final Report	ALAD-01673525	ALAD-01673613	M	Not Categorized - Withdrawn	
643	3GPP TSG RAN WG1 Meeting #62; Madrid, Spain, August 23-27,2010, Summary of UL MIMO and UL RS Ad-hoc Session	ALAD-01739422	ALAD-01739429	M	Not Categorized - Withdrawn	
644	SCD_DynamicSchedulerFull.c	ALAD_SC00000169	ALAD_SC00000212	M	Not Categorized - Withdrawn	

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645	SCD_DynamicSchedulerFull.c	ALAD_SC00000213	ALAD_SC00000257	M	Not Categorized - Withdrawn	
646	SCD_DynamicScheduler.h	ALAD_SC00000456	ALAD_SC00000456	M	Not Categorized - Withdrawn	
647	TL_SPV.c	ALAD_SC00000650	ALAD_SC00000665	M	Not Categorized - Withdrawn	
648	SCD_DynamicSchedulerFull.c	ALAD_SC00000670	ALAD_SC00000673	M	Not Categorized - Withdrawn	
649	AT&T Corporate History – Backgrounder			M	Withdrawn	
650	AT&T Corporate History – History			M	Withdrawn	
651	AT&T Corporate History – The Telephone			M	Withdrawn	
652	AT&T Corporate History – Fax Service			M	Withdrawn	
653	AT&T Corporate History – Stereo Recordings			M	Withdrawn	
654	AT&T Corporate History – Synthetic Speech			M	Withdrawn	
655	AT&T Corporate History – First Mobile Telephone Call			M	Withdrawn	
656	AT&T Corporate History – The Laser			M	Withdrawn	
657	AT&T Corporate History – UNIX and the Internet			M	Withdrawn	
658	AT&T Corporate History – Cellular Phones			M	Withdrawn	
659	Email from Bruno Monfils re: Dinner-Nick Kauser, March 1, 2013	AD00562098	AD00562099	M	Not Categorized - Withdrawn	